ABHIMANYU KHOSLA | Phone : **7799844229** | Email: **khoslaabhimanyu01@gmail.com**

Educational Qualification

Degree	Institute	Percentage	Year of passing
M-Tech	IIT-BOMBAY	8.38(C.P.I)	2014
B-Tech	JNTU-HYD	71.40%	2011
AISSCE	Sumermal Jain Public School (C.B.S.E)	69.8%	2006
AISSE	M.R.V. Model School (C.B.S.E)	82.4%	2004

Professional Experience

- **GENY LABS , Hyderabad** *(Aug 2018 - present)*
  - **Project : Auris**

    Auris is an AI powered consumer insights and social listening platform. Auris lets it customers monitor social chatter about its brand and provides insights from consumer comments, sentiment movements and category trends. I was a part of a team of 4 developers responsible for designing, developing and deploying the platform. We developed a stateless ingestion engine(Sonar) , A social chatter collection module(Motley) to ingest the online chatter about different brands. The system is designed to handle huge volumes of data from different platforms like twitter, facebook etc. I was also responsible for developing and integrating Rest API's on the client module which enable the customers to query the data collected from different sources.

    Technologies Used Aws Lambda, Python, Nodejs, Angularjs, MongoDb

- **ORACLE India Pvt. Ltd. , Hyderabad** *(july 2014 - march 2018)*
  - **Project : Mobile Cloud Service**

    Mobile Cloud service is a cloud based service that provides a unified hub for *developing, deploying, maintaining, monitoring* and *analyzing* mobile apps and the resources they rely on. It provides Mobile Backend as a Service *(MBaaS)* that allows securely connecting ones mobile apps to their enterprise systems.

  - **My Roles**
    * **Android and Javascript Tracker SDK**
      Implemented android and javascript trackers sdk for the analytics service.
      Ingestion and analytics Engine for MCS
      Part of a team of 3 members responsible for building analytics service for oracles Mobile Clound Service. Built the collector module for the analytics service in scala using kafka.
      Location Service for MCS
      Developing Restful API for adding and manging location devices supported by MCS. Implementing Get and Post methods for retrieving and storing devices. Did a survey of the leading beacon vendors in the market. Prepared documentation of the beacon attributes, services and API provided by different vendors.
      Technologies Used JPA
      Developed **Proof of Concept** for customers

Worked with the customer interaction team to understand the requirements of the customer and developed a proof of concept for **Suncorp (Australia)** and **HDFC (INDIA)**. Implemented several custom code API's and nodejs in helped in the testing of the whole module. Explained how custom code worked to the customer's developer team during the live demo.

Technologies Used Nodejs

User Interface for MCS

Developed several modules for the administration and development pages of the MCS UI. Resolved more than *thirty* bugs in the Development and Administration pages.

Technologies Used KnockoutJS, DUST, JS and ORACLE JET

RESEARCH PROJECTS

* **MTech Project: Dynamically Scheduling Speculative Threads** *(Guide: Prof. Virendra Singh, May'13 - Jul'14)*
  · Scheduling potentially dependent threads to execute speculatively and monitor the run time execution to collect various performance metrics in order to schedule threads dynamically.
  · Designing a dynamic allocation heuristics that match threads with the most energy-efficient configuration.
  · Extending open source Simulators like SESC to simulate TLS on our proposed architecture and verify our results.

* **MTech Seminar : Modeling Trust Based System** *(Guide: Prof. G. Sivakumar,Spring'13)*
  · Studied and presented different Trust and Reputation Systems in Multi-agent systems.
  · Discussed issues of security in Trust and Reputation Systems.
  · Discussed the presence and implications of the existing vulnerabilities.

Other Projects

* **Table partitioning Support in PostgreSQL** *(Guide: Prof. S. Sudarshan, Autumn'12)*
  · Added table partitioning support to PostgreSQL for creating partitioned tables for tables with large number of rows.
  · Added support for handling delete and insert operations on partitioned tables.

* **Spider Cam** *(Guide: Prof. Kirthi Ramamritham and Prof. Kavi Arya, Autumn'12)*
  · Built a system *Spider-Cam* using *FireBird V* (robotic platform designed by ERTS Lab,IITB) to remotely monitor any building.
  · Connected FireBird with cables using Pulleys and our system was free to move both vertically as well as horizontally.
  · System could be controlled from a remote location with the help of Zigbee Module and could capture and transmit videos via wireless camera installed on it.

* **Discrete Event Simulator** *(Guide: Prof. Varsha Apte, Spring'13)*
  · Designed a Discrete Event Simulator to study the performance of XEN's Credit Scheduler in various configurations.
  · Analyzed the performance of the scheduler with and without Boost Optimization configuration.

* **Cross Site Scripting with HTML5** *(Guide: Prof. Bernard Menzes,Spring'13)*

  · Researched about exploiting vulnerabilities that can be found in HTML5-based websites.
  · Designed three threat models which exploit new APIs introduced by HTML5 using XSS and proposed respective defenses.

* **Reversi Game** *(Guide: Prof. Sivakumar G.,Autumn,12)*
  · Built a Reversi Game based on min max tree with alpha beta pruning algorithm.
  · The game was designed to play against a human opponent with intelligence.

* **Performance Analysis of Sort Utility** *(Guide: Prof. Supratim Biswas, Autumn'12)*
  · Compared the performance of Compiler optimized, Un-optimized and manually optimized code using Perf tool with python.

Technical Skills

* **Programming Languages**: Nodejs, scala, Java, C,C++
* **Scripting Languages**: Python, Shell
* **Web Technologies**: CSS,Angularjs, HTML
* **Operating Systems**: Linux, Windows
* **Database**: MySQL, Mongodb

Position of Responsibilities

* **Class Representative, Mtech-1st year CSE IIT Bombay (2012-2013)**
  - Acted as a single point of contact between Mtech CSE and the faculty members of CSE.
  - Organized several Department events and also motivated people to show case their talents in these technical and cultural programs.

* **Teaching Assistantship, IIT Bombay**
  - **Computer Programming Course** *(under Prof. A. Ranade, Autumn'12)*: was responsible for helping students with their Lab assignments and Course project and also evaluated their quizzes,weekly assignments and project.
  - **Abstractions and Paradigms in Programming** *(under Prof Amitabh Sanyal, Spring'13)*: worked as a member of Assignment Team for assignments, Quizzes and evaluated the quizzes and assignments.
  - **Abstractions and Paradigms in Programming Laboratory** *(under Prof. Amitabh sanyal,Spring'13)*: was responsible for assisting students with their weekly assignments and problem sheets as well as the Course Project.
  - **Advanced Computer Architecture***(under Prof. Virendra Singh ,Autumn'13)* was responsible for assisting the professor with preparing assignments for the course and also evaluating assignments and the quizzes.

Achievements and Activities

* **First** in Technical Quiz in National Level Technical Meet'10 held at G. Naryanamma College,JNTU-HYD.
* **First** in Technical Debate in Techno Mania'11 held at AHCET, JNTU-HYD.
* **Second** in Mock Interview in Geo-Fest'10 held at AHCET,JNTU-HYD
* **Runner-up** in Technical Quiz in Techno Mania'11 held at AHCET, JNTU-HYD
* was a member of the Hostel-5 cricket team which ended up as a **Runner Up** in Hostel-GC'12 held at IIT-B.
* Played football,basketball and cricket for my Department in PG-SPORTS'12 held at IIT-B.
* Hobbies: Swimming,Cooking,Reading