PRACHI GAUTAM

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**Profile**

I am enthusiastic master’s Information Technology Security student seeking a graduate or experienced position in a fast-paced and challenging environment, where I will have the opportunity to contribute to real-world projects and continue to learn and develop my skills. I have effective programming, communication, and team skills developed from my studies and work experience as a programmer and lead. I possess problem solving and enjoy working with cutting-edge technology, and have a positive, can-do attitude.

**Technical skills**

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| Software: | Programming: | Operating Systems: | Tools\Servers: |
| Microsoft Word  Microsoft PowerPoint  Visio Studio | Asp.net c#,Java\J2EE, Servlets, Java Server Pages, Spring3.1.1, Hibernate3.5,Jenkins, Maven, Hadoop, Spark, Machine learning  **Web services:** SOAP and REST  **E-commerce platform:** OracleATG | Windows, Ubuntu, Linux, Unix | **Databases:** Oracle11g, SQL Server  **Code Review Tools:** PMD, SONAR  **Cyber Security tools:**  Autopsy, Encase, Wireshark, Armitage |

Education

**Nottingham Trent University, MSc Information Technology Security**

2019 – present

Key modules:

Internet Programming

* Programming projects using Asp.net core 3.0 framework, including requirement analysis, identifying

solutions, and building web application for project use cases.

Network and Cloud Security

* Worked and learned about network security threats on interconnected systems, cloud servers, web applications and security tools such as intrusion detection and prevention systems.

Information Security Management

* Gained knowledge and understanding of the challenges related to information security management and evaluate information security solutions and decision making regarding the adoption and implementation of information security related technologies, policies and practices in an organizational context.

Computer Forensics

* Worked on methodologies and processes to conduct computer forensics investigation within an organisation and gain understanding of the importance of computing systems in computer forensics investigations.
* Analysed the security problems affecting computer systems at the operating system and application levels, and design patterns for developing secure code and devise security solutions and formulate technical reports.

Computer Security

* Analyzed the security problems affecting computer systems at the operating system and application levels, and design patterns for developing secure code and devise security solutions and formulate technical reports.

Research Methods

* Developed skills of research and enquiry to enhance independent learning abilities and write effective project reports and technical papers.

**Dr. A.P.J Abdul Kalam Technical University, Bachelor of Technology- Computer Science (76.6%- Distinction Honours)**

**Relevant experience**

Infosys Private Ltd.- May 2018- Sept 2019

Tata Consultancy Services Private Ltd. – Dec 2008 – May 2018

**DOMAIN EXPERIENCE**

Banking, Retail, Telecommunications, E-learning and Airlines

**Work** **experience**

**HINT** **Financial** **Services** **Centre of Excellence(COE)- Startup division**, **Solution Architect**

**May** **2018** – **September** **2019**

**As a Team**

* Building Artificial Intelligence models and Machine Learning solutions to address business problems.
* Undertaking data collection, preprocessing, preparing Training Data Set and analyze information to discover pattern.
* Present information using data visualization techniques.
* Develop prototypes, proof of concepts, algorithms, predictive models, and custom analysis.

**As a Lead**

* Perform and interpret data studies and product experiments concerning new data sources or for existing data sources.
* Furnishing technical feasible solution for Sprint User stories.
* AI\ML use case analysis for Fin Tech companies.
* Design and build new data set processes for modeling, data mining.

**Smart Data Center, Hitachi Vantara, Data Engineer**

Nov 2017 – April 2018

* Development of Proof of Concepts on tools and application.
* Create and maintain data pipeline cluster architecture cluster.
* Work with stakeholders to assist with data-related technical issues and support their data infrastructure need.
* Build analytic tools that utilize the data pipeline.
* Involvement in User Stories Design, Code and Peer Review.

**Interests and achievements**

* Acquired professional certifications: Cloudera certified CDH5 Hadoop Developer, IBM certified Solution Designer - Object Oriented Analysis and Design, Sun certified Java Developer.
* A technology evangelist like taking part in hackathons and volunteering activities using technical skills.
* Volunteered for NGOs, old age homes, schools during weekends while employed.
* Knowledge Hub coordinator (2019-20) – Science, Innovation and Technology for United Kingdom.
* Regional Network coordinator (2019-20)- Midlands, United Kingdom.
* Fond of learning different languages (English, Japanese, Urdu, Hindi) and elementary language skills in German.
* Won accolades in debates and elocutions at school and as university festival key organizer.

**References**

Available upon request.

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