

Ayushi Verma

Software Engineer

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OBJECTIVE

Aspiring Software Engineer with a strong foundation in computer science and hands-on experience in software development, seeking to contribute innovative and efficient technological solutions. Eager to apply my analytical skills and passion for technology to drive the company's strategic goals. Committed to collaborative problem-solving and continuous professional growth to drive technological advancements and business success in a dynamic setting.

WORK EXPERIENCE

Goldman Sachs

Software Engineer, Bengaluru (Jul 2022 - Present)

Software Engineering Intern (Jan 2022 - Jun 2022)

Summer Analyst (Jul 2021 - Aug 2021)

- Contributed to three teams with multiple projects with tech stack including **AWS, Python, terraform, React and Java**.
- Projects involved full migration of internal offerings to new platforms and implementing layered lambdas to **automate functions** for databases like **Oracle** and **Aurora PostgreSQL**.
- Created lambdas for multiple automation like **Snapshot Lambda**, responsible for manual back-ups of databases, **Prodreadiness lambda**, responsible for querying databases.
- DB Monitoring using SSM Docs executed using ECS and generating metrics to CloudWatch.
- Worked with **Elasticache for Redis** managing Secret Rotations. POC on network connectivity to Third-party vendor **MongoDB Atlas** by implementing Lambda that connects and executes queries on databases through internal proxy.
- Hosted internal **AWS account registry** on **GitLab Pages** via fully functional UI using **React** and **JavaScript**.
- Created and enhanced existing portals designed to serve clients known as Control Plane and also added features like checking correct **request approval systems** for different environments using Java.
- Onboarded profiling and tracing feature of **Datadog for Webhooks services** and performed **load testing via Jmeter** for the same.

Indian Statistical Institute, Delhi Centre

Student Research Intern, Virtual internship under Dr S.K. Neogy (Head, ISI Delhi Centre) (May 2020 - Jul 2020)

- Developed a Recommender system (**Market Basket Analysis**) based on product purchase history.
- Designed ML model that analyses dataset of Ecommerce Grocery Store's

EDUCATION

Bachelor of Technology, CSE

IIT Jammu

CGPA-8.41

📅 August 2018 - June 2022

📍 Jammu, IN

SKILLS

C++

Python

Java

React

JavaScript

AWS

Terraform

SDLC

HTML5/CSS

Bootstrap

TOOLS

CI/CD

Git/GitLab/GitHub

Linux

Windows

purchase history and recommends its customers most suitable set of items to add next to their shopping buckets.

- Trained model predicts a set of items for "Add To Cart" of the customer with an **accuracy of 82%**, increasing sales revenue. Also generated ideas for hybrid recommendation systems like job recommendation engines based on prior work experience.

Peacock Solar

Data Analyst Intern, Virtual internship (Jul 2020 - Aug 2020)

- Developed a model to predict next most appropriate and approachable city for expansion of the solar energy firm given a dataset by the organisation.
- Designed Solar policies for residential areas, analysed customer data and evaluated feature selection for future models. Achieved prediction **accuracy > 80%** within seven targetted Indian states and over 25 cities.

PROJECTS

Integrato-Whiteboard Developer, IIT Jammu (2021)

- Developed integrated whiteboard with Document opener and whiteboard using HTML5, CSS3 and Javascript for ease in online teaching methods.
- Designed to be deployed on the campus premises for in-campus teaching in online mode using the interactive whiteboard.

Interactive Unix like Shell Developer, Personal Project (2021)

- Designed interactive terminal-like interactive UNIX-like shell, with all basic system functions, in C language.
- Added special functionalities like viewing and executing HISTORY commands, foreground/ background processes and Process ID manipulations.

DNS Query Maker Developer, IIT Jammu (2020)

- Programmed interactive GUI supporting DNS queries to fetch nearly all DNS record types employing python3.
- Gradio-based GUI featuring IP and DNS queries hosted over live servers which makes it user-oriented.

Socket Programming Project (Client-Server Communication)

Developer, IIT Jammu (2020)

- Designed an interactive query maker to establish server-to-client communication to fetch essential records, including contact details like contact number, website, email etc.
- Enabled by Tkinter and python3 to make interactive GUI for easy user readability.

ACHIEVEMENTS

GRAND FINALE of SIH'19 (2019) Qualified for GRAND FINALE of Smart India Hackathon Software Edition 2019 organised by MHRD

Secured seat in Five Year Integrated Programme in Management at **IIM Indore**(Indian Institute for Management) under IPM Programme

54th Annual Inter IIT Sports Meet (12/2020) Represented women's badminton team at IIT Bhubaneswar

EXTRACURRICULARS

Anchor and Organizing team member, Inaugural Ceremony of KRITASH SOCIAL FEST, 2021

Designed and developed an Application called LIFEMAP for Hack the build by IIT Jammu Coding Club(2020)

Led the women's basketball team at the Air Force Inter-Command Sports Meet'15

Technunctus'19: Coordinator, Networking and outreach team(Maiden Techfest of IIT Jammu)

Industry Conclave'19: Anchor (CSE Dept.) in the first Industry Conclave of IIT Jammu and Co-coordinator of Team Sponsorship
