Manav Khandurie

Software Developer

Resilient , Assistive & Reliable

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📍 Dehradun, India

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EDUCATION

B-Tech CSE
University of Petroleum and Energy Studies

10/2021 - 05/2025   *Dehradun , Uttarakhand*

Coursework

- Operating System
- Database Management Systems
- Cloud & DevOps
- Data Structures & Algorithms
- Object Oriented Programming
- Computer Networks

Class XII & X [ISC & ICSE]
Ann Mary School

04/2008 - 06/2021   *Dehradun, Uttarakhand*

Accomplishments

- 90% in Class XII [P.C.M.]
- 91.2% in Class X [Science]

PROJECTS

Lingua Cloud Sphere (05/2024 - 07/2024) ⬈
- Executed the implementation of a robust AI-driven **NLP platform** leveraging AWS services, achieving a 30% decrease in operational costs.
- Built a responsive front-end using **Chakra UI** and **React.js**, coupled with a serverless **Python** back-end. Utilized AWS API Gateway and S3 to maintain 99.9% availability and uptime.
- Implemented **Agile** methodology, leveraging **Trello Kanban** boards for project tracking, resulting in a 20% increase in team efficiency.

Metric Manch (01/2024 - 04/2024) ⬈
- Engineered "Metric Manch," a sophisticated web application tracking and comparing price history of **Amazon** and **Flipkart** products, displaying timeline graphs, empowered users to make informed purchasing decisions, increasing user engagement by 40%.
- Developed a data scraping solution by integrating **Amazon-buddy** and a **custom Flipkart API**, delivering price comparisons for over 300 products.
- Engineered a seamless backend deployment process with **Docker**, crafted a data-rich **React** frontend using Chart.js, and a **Node.js** and **MongoDB** stack, providing an alternative **AWS** option for 50% improved scalability.

Fasal Fusion (09/2023 - 11/2023) ⬈
- Recommended the most suitable crop to farmers by developing a **Java**-based project, Fasal-Fusion.
- Analyzed the dataset and calculated optimal crop recommendations using a range of **ML algorithms** and achieved an accuracy of 98.6%.
- Designed an interactive GUI with HTML, CSS, and JavaScript and deployed on **AWS Serverless Architecture** with 99% availability.

WORK EXPERIENCE

Backend Development Intern
Koders
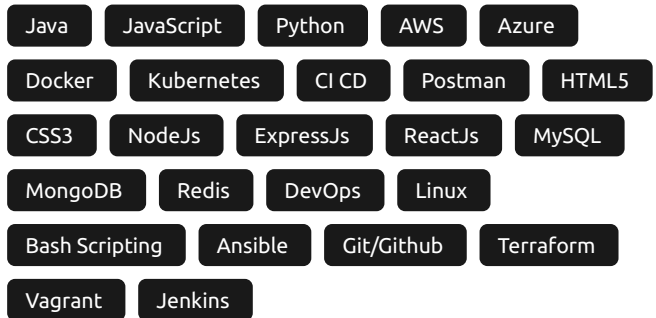
06/2024 - 08/2024   *Hybrid , Dehradun*

Achievements/Tasks

- **Crafted an Automated Video Caption Processing Service**: Employed Node.js, Next.js, Whisper AI, FFmpeg, S3, SSA, & WebAssembly, improving video upload & processing speed by 30%.
- **Optimized Reliability with AWS and Docker**: Led to a 40% improvement in deployment efficiency.
- **Created an Extensive Admin Panel with Strapi.js**: Streamlined workload by 25%.

SKILLS

`Java` `JavaScript` `Python` `AWS` `Azure` `Docker` `Kubernetes` `CI CD` `Postman` `HTML5` `CSS3` `NodeJs` `ExpressJs` `ReactJs` `MySQL` `MongoDB` `Redis` `DevOps` `Linux` `Bash Scripting` `Ansible` `Git/Github` `Terraform` `Vagrant` `Jenkins`

ACHIEVEMENTS

Resolved 550+ DSA questions across various platforms, including 551 on LeetCode as of October 2024.

Spearheaded contributions to 3 high-impact open-source projects during Hacktoberfest 2023, delivering over 500 impactful code commits to the GitHub community.

Authored 10+ technical blogs on HashNode and LeetCode, receiving over 90 positive responses and 1,000+ views.

Ranked 8th out of 1347 students in the March 2024 AMCAT Employability Examination at UPES.

Co-authored & presented "FASAL FUSION: An Approach to Transform Crop Recommendations" at the 5th INCET, May 2024, among 400+ selected papers. ⬈

Pioneered an AWS-based rate-limiting middleware, achieving top 10 finalist status at UPES Hackathon 3.0 out of 90+ teams.

CERTIFICATES

AWS Solutions Architect Associate [Scored 737/1000] (09/2024 - 09/2027) ⬈

DevOps Beginners to Advanced [Udemy][55 hrs.] (09/2024) ⬈

Microsoft AI-900 Certification [Scored 866/1000] (09/2023) ⬈

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

INTERESTS

`Technical Writing` `Blogs` `Technology` `Reading`