AAKRITI CHATURVEDI

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SUMMARY

Detail-oriented recent graduate with a Bachelor's degree in Computer Science. Proven strong problem-solving and communication skills, with a keen ability to collaborate within a team. Eager to apply my technical expertise, internship experience to excel in a Software Developer role.

EXPERIENCE

Atlassian India LLP   **June 2023 - July 2023**

Software Engineer Intern - [Certificate](#)

- Addressed **Schema Mismatch** Challenges within the **Batch-Trait Builder**, delivering a viable resolution.
- Utilized **Flask** framework and **REST API** in conjunction with the **Swagger UI** for comprehensive **testing**.
- Engaged with **Git**, **Micros**, and specialized SQL parsing utilities such as **SqlParse** and **Sql-metadata**.
- Adhered to **Agile methodology** throughout project progression.

TECHNICAL SKILLS

Programming Languages : Python, JavaScript, Java, SQL, C++, C

Web Technologies : Flask, Node.js, HTML/DOM, CSS, Express.js, React.js

Databases : MongoDB, MySQL

Operating Systems : Linux/Unix (Basics), Windows

Concepts : Web Services, REST APIs, Docker, Microservices, Design Patterns, Software Development Lifecycle

Developer Tools : Render, Git & Github, Postman, VS Code, Confluence, BitBucket, JIRA Software.

PERSONAL PROJECTS

Diabetic Retinopathy Detection System | **Sep 2023 – Present**

- The primary objective of this initiative is to construct a machine-learning system designed to identify and categorize retinal images afflicted by diabetic retinopathy.
- Utilized Tools technologies: Python, Deep Learning and Machine Learning methodologies, OpenCV, TensorFlow, and Image Analysis techniques.

RentalSync | *JavaScript, Node.js, Express.js, MongoDB*   **Mar 2024 - Mar 2024**

- Users Register, Login and perform CRUD operations on contacts. User authentication is implemented using JWT.
- Leveraged industry-standard packages including bcrypt, dotenv and mongoose to develop a robust authentication system for the Property Management Backend API, ensuring secure user authentication and authorization.
- Implemented Role-based authentication and functionalities. Successfully Deployed on Virtual Machines of Render.

Emotion-Based Music Recommendation System | **Sep 2022 - Dec 2022**

- The primary objective of this initiative is to construct a machine-learning system designed to identify and categorize retinal images afflicted by diabetic retinopathy.
- Utilized Tools technologies: Python, Deep Learning and Machine Learning methodologies, OpenCV, TensorFlow, and Image Analysis techniques.

EDUCATION

Pranveer Singh Institute Of Technology   **Expected Graduation: July 2024**

Bachelor of Technology - Computer Science and Engineering   *8.24 CGPA*

- **Relevant Coursework:** Data Structures, Algorithms, Database Management, Software Engineering, Distributed Systems, Computer Networks, Object-Oriented Programming, System Design.

Metropolitan School   **May 2018 - April 2019**

Intermediate - Central Board of Secondary Education   *Percentage: 81.4%*

- **Relevant Coursework:** Physics, Maths, Chemistry.

CERTIFICATIONS

- Python and Data Visualization Bootcamp by Devtown.
- Problem Solving, Python(Basic) Certifications by Hackerrank
- Course completion certificate for Object Oriented Programming using Python by Infosys Springboard.
- Course completion certificate for Data Structures using Python by Infosys Springboard