Eshan Sud

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Summary

Software developer pursuing a Bachelor of Technology in Computer Science and Engineering with more than a year of experience. Passionate about coding and committed to continuous learning, seeking a Software Development Engineer (SDE) role to leverage my skills in Python, Java and Web Development for creating innovative and impactful solutions.

Experience

Exato Technologies Pvt Ltd   June – August 2024
SDE Summer Intern   *Noida, Uttar Pradesh*
- Developed an advanced **Speech-to-Text** project incorporating **Speaker Diarisation** and **Sentiment Analysis**, and **fine-tuned pre-trained Whisper models** for increased accuracy using **OpenAI-Whisper**, **Pyannote** and **Python**.
- Developed an **Optical Character Recognition (OCR)** and **Regular Expression** based **Invoice Scanning System**, achieving high accuracy in automated text extraction from invoices using Python and Invoice2data.
- Collaborated with a team to build **Login/Signup features**, **client and server-side routing**, **user authentication** and its successful **integration** with the **Invoice Scanning system** project using the **MERN stack**.

Education

Manipal University Jaipur   Expected July 2026
- Bachelor of Technology in Computer Science and Engineering; **CGPA (2025): 9.56**
- Relevant coursework: Data Structures and Algorithms, Object Oriented Programming, Computer Networks, Operating Systems, Relational Database Management, Data Analytics, Machine Learning
- Academic Scholarship recipient
- Dean's List of Excellence recipient for five consecutive semesters

Delhi Public School Mathura Road   July 2022
- CBSE 10th (2020): **88.6%**; CBSE 12th (2022): **96.8%**

Projects

3D Sparse Mapping using SLAM | *Raspberry Pi5, ROS2, OpenCV4* | **[github.com/eshan-sud/3d-sparse-mapping]**
- Implemented a **real-time 3D indoor sparse mapping system** using ORB-SLAM3 on a low-powered Raspberry Pi 5 for autonomous navigation of robotic devices.

Task Master (*Ongoing*) | *MongoDB, Express.js, React.js, Node.js* | **[github.com/eshan-sud/task-master]**
- Building a **task management full stack web** application with task handling, calendar integration, notifications, collaboration features, etc, facilitated better task tracking and collaboration.

Voltify | *Python, Operating Systems* | **[github.com/eshan-sud/voltify]**
- Developed a **utility tool extension to monitor & conserve battery usage**, providing battery level notifications, generating battery health reports, and toggling battery saver mode.

Certifications

- **Design and Analysis of Algorithms – Elite** | NPTEL | Sep' 2024
- **Oracle Cloud Infrastructure 2024 Generative AI Certified Professional** | Oracle University | Jul' 2024
- **Programming, Data Structures and Algorithms using Python – Elite + Silver** | NPTEL | Sep' 2023

Technical Skills

Programming Languages	:	Python, Java, C / C++, HTML5, CSS3, JavaScript, TypeScript, Solidity
Database Management	:	MySQL, MongoDB, ChromaDB
Tools	:	Git/GitHub, Postman, VSCode, Linux, Docker, Webpack, SEO, APIs, REST API
Libraries / Frameworks	:	Tailwind CSS, Flask, Java Swing, Java AWT, React.js, Node.js, Express.js, JWT, Nodemailer, Pandas, Numpy, Matplotlib, Streamlit, Scikit-learn, ROS2, OpenCV

Soft Skills

- Strong problem-solving and analytical skills
- Effective communication skills and attention to detail