Davis Sebastian

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Education

Atria Institute of Technology CGPA (till 6 sem): 8.956/10	**Dec. 2022 – May 2026**
Bachelor of Engineering in Computer Science and Engineering	*Bengaluru, Karnataka*

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Artificial Intelligence
- Systems Programming
- Software Methodology
- Database Management
- Internet Technology
- Computer Architecture

Experience

Software Developer Trainee	**July 2025 – PRESENT**

CommonWealth Bank of Australia

Full Stack Developer Intern	**May 2025 – June 2025**

Calyirex Technologies Private Limited

- Built responsive websites for early-stage startups, focusing on performance and clean design
- Developed a REST API using FastAPI and PostgreSQL to store data from learning management systems
- Developed a full-stack web application using Flask, React, PostgreSQL, and Docker to analyze GitHub data

Projects

Chat application using MERN

* Developed a real-time chat application using the MERN (MongoDB, Express.js, React.js, Node.js) stack, integrating WebSocket technology (Socket.io) for seamless bi-directional communication. Implemented user authentication using JWT, secure message storage with MongoDB, and a responsive UI with React. Features include real-time messaging, group chats, media sharing, and notifications. Optimized performance with efficient database queries and state management. Ensured security with encryption techniques and authentication mechanisms. Designed a scalable architecture to support multiple concurrent users, providing a smooth and engaging user experience.

Virtual Try-On for Ecommerce

- Forward-thinking software engineer with proven expertise in developing and deploying virtual try-on solutions for ecommerce platforms. Skilled in building scalable, user-centric applications that leverage AI, computer vision, and deep learning to enable customers to visualize apparel and accessories online. Experienced in integrating third-party APIs, managing secure file uploads, and optimizing real-time image processing pipelines. Adept at collaborating with cross-functional teams to deliver seamless, interactive shopping experiences that drive engagement and conversion. Passionate about harnessing emerging technologies to transform digital retail and enhance customer satisfaction.

VTU Results Extarctor

- Developed a robust web-based VTU Results Scraper using Python, Flask, Selenium, and Pandas to automate extraction and processing of student examination results from the VTU portal. Implemented features such as manual CAPTCHA entry, dynamic USN range handling, real-time progress logs, error handling, and Excel export. Enhanced reliability with retry mechanisms and options to skip or jump to specific USNs during batch processing. Demonstrated strong skills in web automation, data extraction, and full-stack development.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript,React, SQL
Developer Tools: VS Code, Eclipse, Figma, Android Studio
Technologies/Frameworks: Linux, GitHub,Tailwind css, WordPress,MS Office,Socket io

Leadership / Extracurricular

Atria Institute of Technology

* Have Led Group project in school securing 2nd place in Inter-School Science Exhibition
* Managed Mini project in Btech 3rd Year on the project Virtual-Try On for Ecommerce
* State Level Football player, won banglore region Tournament Under VTU,and many non-domestic cups in other colleges