Aswin Pradeep C

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Experience

Lascade LLC   Jul 2024 – Aug 2024
Backend Developer Intern — Node.js, Express.js, MongoDB, Redis   *Kochi, Kerala*

- Designed and implemented **RESTful APIs** for the travel module, incorporating input validation and error handling for improved reliability.
- Optimized API performance by implementing **Redis** caching, achieving significant reduction in response times for high-traffic endpoints.
- Created clear and concise API documentation and coordinated with frontend teams to streamline development and maintain alignment on response structures.

Agua India   June 2024
Machine Learning Engineer Intern — OpenCV, YOLO, Mapbox   *Kochi, Kerala*

- Proposed and developed proof-of-concept implementations for AI-powered workflow optimizations, demonstrating potential efficiency improvements.
- Built a prototype using **OpenCV** for automated coupon code extraction, implementing ROI detection to filter out irrelevant text and streamline water delivery operations.

Projects

SOE Project Hub | *Django, JavaScript, SQLite* | GitHub

- Developed an academic project management system with **role-based access control**, enabling project submissions and evaluations with **plagiarism checking** functionality.
- Implemented team management, dashboards, and document uploads using Django and **PyPDF2** for pdf processing.
- Built support ticket system and query management for streamlined communication between students and faculty.

Bibliobazaar | *Django, JavaScript, Razorpay* | GitHub

- Built an e-commerce platform for books with user authentication, catalog management, and shopping cart.
- Integrated **Razorpay payment gateway** for secure transactions and implemented used book trading feature.

EduRider (Ongoing Project) | *Django, PostgreSQL, Docker, AWS, Nginx* | GitHub

- Designed and developed backend for a route management system, supporting drivers and students with role-based APIs.
- Dockerized the application with PostgreSQL and **Nginx** for seamless deployment, deployed on **AWS**, and integrated with the ongoing development of a Flutter-based frontend, accessible at edurider.radr.in.

Technical Skills

Programming Languages: Python, JavaScript, SQL

Back-end Tech: Django, Node.js/Express.js, FastAPI

Databases: MongoDB, Redis, MySQL

Development Tools: Git, GitHub, Postman, Docker

Operating Systems: Linux

Achievements

- Led the organization of South India's largest hackathon, Make-A-Ton, with over 200 participants and a 30-member organizing team, securing sponsorships from global tech companies including **GitHub**, **Logitech**, **MLH**, Orkes, and GeeksForGeeks.
- Won **First Prize** in the **Project Expo** competition at Summer Startup Festival 2023, GEC Thrissur.

Education

Cochin University of Science and Technology   2021 – 2025
B.Tech in Computer Science and Engineering (CSE)   **CGPA: 8.08**