Omkar S. Patil

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To develop cutting-edge solutions for an expanding firm using knowledge of full-stack development and software engineering.

EDUCATION

•**KLE Technological University, Hubli** *2023*
B.E. | Computer Science Engineering CGPA: 9.47

•**Sri Aurobindo Pre-University, Shimoga** *2019*
12th | Karnataka Board Pre University Percentage: 96.5

•**Om National Public School, Ranebennur** *2017*
10th | CBSE CGPA: 10

EXPERIENCE

•**Samsung R&D Institute** *Oct'21 - Jun'22*
Project Intern PRISM Program Bangalore
- Designed a web based application to organize and retrive patient details with a focus on surveying dicom images using flask, sqlite and bootstrap.
- This finds applications for various hospitals in diagnosis of diseases of their patients. My role was to design the overall architecture of the system and contributed in full-stack development. Samsung awarded our team a certificate for successful implementation of the application.

•**Athreya Technologies Pvt Ltd** *Jan'23 - May'23*
Software Development Intern Hubli
- Full-stack development of an intra-organizational food ordering system using ASP.NET Core MVC framework, MSSQL.
- This application would help an organization of any scale to robustly and effectively order food. I am part of this team with my primary role of being a software developer. The application is currently under active development.

•**Vegam Solutions** *Aug'23 - Present*
Associate Software Engineer Bangalore
- ASP.NET Developer with 3 months experience in 3-tier architecture and jQuery and KnockOutJS libraries.

PROJECTS

•**Hackernews Clone** *Jun'23 - Jun'23*
Self-learning project

- Tools & technologies used: React, Apollo Client 3.2, Apollo Server 2.18, Prisma
- Developed a simplified clone of Hackernews with the following features: displayed a list of links, implemented search functionality, handled user authentication, enabled authenticated users to create new links, allowed authenticated users to upvote links (one vote per link and user), and provided real-time updates for upvotes and new link creations by other users. This project showcased my ability to build a dynamic web application using JavaScript and React, implement user authentication, and integrate real-time functionality for enhanced user experience.

•**Movie Shopping Application** *Feb'23 - Mar'23*
Self-learning project

- Tools & technologies used: ASP.NET Core MVC, MSSQL.
- Full-stack web application for users to buy a movie. This project helped me to learn the above mentioned framework and understand the working of backend operations in MSSQL.

- **Spam Message Detector** *Sep'22 - Nov'22*

  This project was part of cyber security course; where objective was to classify a message as legitimate or spam.

  – Tools & technologies used: Flask
  – A group of SMS-tagged messages known as the SMS Spam Collection have been gathered for SMS Spam study. It has a single batch of 5,574 English SMS messages that have been classified as spam or ham (legal) messages. We used decision tree machine learning model to classify the messages.

- **Architectural Style Identifier for embedded devices** *Feb'22 - Apr'22*

  This project was part of the course-EIS delivered by Samsung where we built architectural classification app.

  – Tools & technologies used: TFLite
  – An image classification application with EfficientNet Lite0 for 10 different international building architectural styles with accuracy of 82.22%. We also performed data augmentation for the various architectural styles in the dataset.

TECHNICAL SKILLS AND INTERESTS

Languages & Frameworks: C,C++,C#,Python,ASP.NET,MSSQL,Javascript,HTML5,CSS3,Bootstrap,Unix, Git
Soft Skills: Co-operative, Hardworking, Versatile, Honest
Areas of Interest: Cybersecurity, Full-Stack development

HOBBIES & ACHIEVEMENTS

- **Achievement:** NSE 4 certified Network Security Professional, Published 2 Research Papers on Engineering Education based on Problem Based Learning and Game Based Learning.

- **Hobbies :** Cricket, Travelling, Reading mythology