

A Software Engineer pursuing a master's degree in Computer Science with 2 years of cross-industry experience to solve ambiguous problems and design impactful scalable products and services, boosting resiliency by up to 40% using an extensive range of end-to-end technologies. Seeking to leverage skills and bring forth expertise and experience to further the mission of the company.

TECHNICAL EXPERIENCE

HopStair, Full Stack Developer Intern, Remote

June 2022 — August, 2022

- Mediated as a full stack software developer in a startup to plan and build a confidence-boosting mobile platform with 15+ user interface functionalities in React-Native and Firebase leveraging NodeJS, coupled with Artificial Intelligence for personalized insights.
- Performed code analysis to identify 7+ product challenges and optimize the system-level design patterns using a service-oriented architecture to enhance efficiency and improve application scalability by 20%.
- Devised data-driven methods to integrate the Firebase database architecture models with mobile applications and conducted performance analysis of large data sets to evaluate the business costs and impacts to boost the future design flexibility by 15%.

Vodafone Shared Services India, Software Developer, Pune, India

July 2018 — October 2020

- Facilitated team collaborations to develop and maintain ASP.NET MVC web applications in Angular2 in an Agile environment using Microsoft TFS and enhance business workflow efficiency by 12%.
- Build browser-based applications using Model-View-Controller (MVC) architecture in Microsoft Visual Studio 2012, SSRS (SQL Server Reporting Services), HTML5, CSS3, C#, JavaScript, and JQuery.
- Integrated Restful APIs and Spring to serve data to the front end to handle up to 500,000 concurrent user requests and programmed relational databases by writing complex SQL queries to maintain content management systems and accelerate analytical workloads' performance by 40%.
- Spearheaded the UK Monitoring Team of 8 engineers to develop backend automation scripts in Python, integrating them with Splunk tools for monitoring solutions in monthly deployments to improve real-time server analysis by 15% in the first six months.

PanTech ProEd, Software Developer Intern, Pune, India

January 2018 — June 2018

<https://www.overleaf.com/project/632340f432782601fe68ff7a> Guided brain-computer interface projects using brain wave sensors for password authentications to achieve 35% increased security and 100% documentation of best engineering practices.

Tata Communications Limited, Software Engineering Intern, Pune, India

June 2017 — November 2017

- Fostered IP, SDH, and DWDM-based project upgrades on an enterprise-wide scale, reducing the turn-around time by 10%, slashing the enterprise cost by 7%, along with 100% technical documentation of cloud migration activities and handovers.

PROJECTS

Retirement Planning Tool, Fall 2022

- Modeled an optimized decision guidance tool to provide actionable recommendations on retirement planning, personalized for individual users with a 20% lower entry barrier.
- Developed a full stack web application with Python, Flask and DGAL (Decision Guidance Analytics Language) as the back-end and HTML/Javascript and chart.js as the client-side framework, with deployment on Heroku/ AWS EC2.

Student Feedback System, Spring 2022

- Hosted a responsive website in HTML CSS on AWS S3 and EC2, containerized and deployed using Docker and Kubernetes, and established a CI/CD pipeline using Git and Jenkins to achieve scalability, 5-fold optimized speed, and reduced operational costs.
- Developed a SPA in AngularJS with Restful APIs, JPA/Hibernate and Amazon RDS to persist and read data to/from a database, tested using Postman, and deployed on K8 cluster in a CI/CD environment.

Pacman Projects in Artificial Intelligence, Fall 2021

- Implemented AI concepts to model Pacman agent in carrying out complex search algorithmic tasks to improve search efficiency by 20% and self-learning mechanisms to a robot crawler, increasing the environmental compatibility of the agent by 40%.

TECHNICAL SKILLS

Languages	Python, ReactJS/Native, AngularJS, TypeScript, JavaScript, HTML5, CSS, Bootstrap, Java, C/C++, SQL, Unix.
Technologies	AWS, Git, Docker, Kubernetes, Spring Boot, REST APIs, NodeJS, Matlab, Rancher, Splunk, Jenkins, Apache Kafka, Arduino, Continuous Integration Continuous Deployment, Tomcat, Microservices, Heroku, Postman.
OS and Tools	macOS, Windows, Linux, VMware, Ubuntu, Visual Studio Code, Android Studio, XCode, Atom, Eclipse.

EDUCATION

Masters of Science in Computer Science, George Mason University

May 2023

Coursework: Introduction to Artificial Intelligence, Decision Guidance Systems, Database Systems, Analysis of Algorithms, User Interface Design and Development, Component-Based Software Development, Mathematical Foundations of Computer Science, Fundamentals of Systems Programming

Bachelor of Technology in Electronics and Telecommunications, Vishwakarma Institute of Technology

May 2018