

Hari Prakash V

602-860-2993 | hvelmuru@asu.edu | Tempe, Arizona | <https://hariprakash619.github.io/>

SUMMARY

Master's in Computer Science graduate with 4+ years of experience in full-stack development, API integrations, and cloud platforms, creating scalable solutions and driving business impact through optimized workflows and interactive dashboards. Aspiring to contribute to innovative engineering teams and tackle complex challenges in software development to deliver impactful solutions.

EDUCATION

Master of Science in Computer Science **December 2024**
Arizona State University, Tempe 3.9/4.0 GPA

B.Tech in Computer Science **June 2018**
Vellore Institute of Technology, India

TECHNICAL SKILLS

Programming: Python, Javascript, C, C++, Bash, HTML, CSS, Bootstrap, Typescript
Databases: SQL, PostgreSQL, NoSQL, MongoDB, DynamoDB, Elasticsearch, SAP HANA DB
Tools & Technologies: Git, Docker, Kubernetes, Redis, AWS (S3, Lambda, RDS, IAM, SES), Kafka, Postman
Frameworks & Libraries: Django, Flask, FastAPI, React, Node.js. | **Operating System:** Unix, Linux

PROFESSIONAL EXPERIENCE

Software Developer Volunteer | STEAM Superheroes (NonProfit) | Remote **December 2024 - January 2025**

- Engineered a scalable mentor-mentee matching platform leveraging **FastAPI**, and **AWS** services to connect students with mentors.
- Built and optimized features such as an intelligent matching algorithm, dynamic scheduling system, secure admin authentication, and automated email notifications, enhancing user engagement and operational efficiency.

Software Developer II | Price Waterhouse Coopers | India **April 2022 - December 2022**

- Developed a real-time Planning and Production Application, worked on end-to-end features, including backend code, APIs, and frontend UI providing managers with real-time insights, revising operational decision-making, and enhancing production workflow.
- Developed and automated Reports to run periodically for data extraction, processing, and reporting, reducing manual effort for business users and configured batch jobs and workflows ensuring the real-time generation and distribution of daily and weekly reports.
- Architected 12+ KPI dashboards using **D3.js** and **Chart.js** libraries, enabling data-driven decisions, led to a ~15% increase in revenue.
- Designed and developed a Travel Management Application using **Full-Stack Framework** SAP RAP and **MVC** design principles with an automated **approval workflow**, cutting down approval time by 20%, cutting errors and enhancing user satisfaction.
- Modularized over 10,000 lines of code into reusable components, diminishing development time and accelerating future rollouts.

Software Developer | Price Waterhouse Coopers | India **September 2018 - March 2022**

- Developed and customized **CRUD** Operations using RICEFW objects to support the **Warranty Management System**, enabling end-to-end tracking of warranty claims across India.
- Designed and developed **Interactive Financial Reports** that allowed users to monitor warranty costs, service expenses, and reimbursements, ensuring alignment with budget forecast nationwide with functionality of drill down, sorting, filtering, and navigation.
- Implemented automated reconciliation between travel claims data and **financial** systems using **RESTful APIs**, ensuring accurate posting of expenses, claims reimbursements, minimized discrepancies, improved audit trails, and ensured compliance with financial reporting standards.
- Created **SQL Views and Stored Procedures** using ABAP CDS View object to deliver analytical insights for tracking claims and identifying key trends, supporting decision-making at a national level.

Software Engineer Intern | Invento Robotics | India **January 2018 - July 2018**

- Deployed Flask web app with **Python** and **TensorFlow** libraries, facilitating image recognition model in web application.
- Collaborated with product managers to deliver a new Android App, achieving a 30% increase in user engagement within first three months.

OTHER EXPERIENCE

Teaching Assistant | Learning Enterprise, Arizona State University **August 2023 - December 2024**

- Designed and evaluated assignments, quizzes, and exams, on **Tableau & Excel** providing feedback to help identify areas for improvement.
- Collaborated with the **HubSpot** integration team to test auto-grading features, optimizing ticket assignment and closure.

PROJECTS

Little Lemon Restaurant API | Meta Backend Developer Professional Certification

- Designed and implemented a comprehensive **RESTful API** for the Little Lemon restaurant using **Django REST Framework**. Integrated **Djoser** for user authentication and role-based permissions for managers, delivery crew, and customers.

NetFlex Content Delivery Network

- Built a high-performance CDN with advanced **caching and sharding strategies** for **reliability and scaling**. Leveraged Docker Compose to orchestrate MongoDB server images, and **Kubernetes** for ensuring resilient and scalable deployment.

Neural Network Generalization Analysis

- Compared ERM and SRM in neural networks to assess deep learning, generalization, implementing L2 and dropout regularization on CIFAR-10 to analyze overfitting reduction and performance on unseen data.

LEADERSHIP / AWARDS

- ASU SUN Award 2024**, honored for exemplifying leadership and service, fostering an inclusive and supportive learning environment.
- Placed Second at Opportunity Hack 2024 conducted by Meta | Second Place in Code-A-thon conducted by Hacker Devil @ ASU.
- Awarded **"Team Spot Award"**, **"Spot Award"** for exceptional contributions at PwC.