

BHARGAVI KRISHNAMURTHI

Buffalo, NY • +1 781-921-7591 • bhargavikrish@outlook.com
[Portfolio](#) • [GitHub](#) • [LinkedIn](#)

EDUCATION

M.S. Computer Science and Engineering	State University of New York	Aug 2023 - Dec 2024
B.E. Computer Science and Engineering	Anna University, India	Aug 2013 - May 2017

SKILLS

- **Languages:** Ruby on Rails, Python, JavaScript, Java, C++, React, Django, PHP, Flask
- **Web Technologies & Frontend:** HTML5, CSS3, SASS, jQuery, Tailwind CSS, Bootstrap, Hotwire, MERN Stack
- **Backend & Libraries:** Node.js, Express.js, Ruby Gems, Active Record, Puma
- **Data management:** MySQL, SQLite, PostgreSQL, MongoDB
- **Testing:** RSpec, Capybara, SAP Testing (Regression, Unit, Smoke Testing)
- **DevOps & Tools:** Git, GitHub, Docker, Yarn, Apache Server, Bundler, Vagrant, VS code
- **Platforms & Cloud:** AWS, Engine Yard, Mailgun, Linux/Ubuntu, SAP (EWM, BI, MM)

WORK EXPERIENCE

Software Engineer Intern | Skygeni, California March 2025 - Present

- **Full Stack Developer:** Currently interning to enhance web, mobile, and AI applications by learning and contributing to UI design, test case creation, SaaS integration and optimizing ETL data pipelines.
- Gaining hands-on experience with the MERN stack to develop scalable and efficient solutions.

Graduate Research Assistant | UB, Buffalo Jan 2025 - Present

- **Web Developer:** Currently **volunteering** to the development of a web-based application **WTtool** for wireless network simulations using real-world geographical data using **Flask**, Google Maps API.
- Enhancing features along with the sandbox for network creation, NS3-based simulations, and heatmap visualizations.
- Debugging application issues, preparing technical documentation, and creating video demos for academic conferences

Software Engineer | Juhomi, Chennai Oct 2021 - Jul 2023

- **Full Stack Developer:** Contributed for a US-based startup client, leading the development, maintenance, and refactoring of 40% of a dynamic web application using MVC framework Ruby on Rails and MySQL.
- Achieved a 5% increase in web traffic and sustained user engagement by collaborating with an interdisciplinary team to optimize performance and reduce page load times by 20%.
- Applied UI/UX principles to ensure responsive design across devices while integrating third-party APIs for mailing and data analytics.
- Ensured stability and functionality of web applications by troubleshooting, debugging, and actively supporting a streamlined delivery process.
- Managed two distinct projects simultaneously, demonstrating strong multitasking and project management skills, and contributed to a month-long React project by implementing front-end features and gaining hands-on experience.

Associate Software Engineer | Accenture, Chennai Sep 2017 - Jul 2019

- **Manual Tester:** Improved **SAP EWM** system stability by reducing defects by 15% through comprehensive **regression** testing efforts.
- Performed **Unit** and **Smoke** Testing on SAP EWM system components, ensuring functionality and resolving discrepancies
- Utilized **SAP MM** tools to perform a wide range of warehouse management tasks, standardized organization of products from inbound to outbound processes
- Prepared and executed end-to-end test plans, collaborating with the automation team to enhance efficiency and ensure comprehensive test coverage.
- Volunteered in document management throughout each testing cycle and liaised with associated teams

PROJECTS

Machine Learning Crime Prediction Application

A predictive analytics web application to forecast crime trends based on geographical data, by enabling users to search for crime types by area and time, enhancing public safety awareness using **Streamlit**, **scikit-learn**, **Python**

Operating Systems and Database Systems Projects

Implemented core operating system concepts such as memory management, process scheduling and database management, passing test cases for functionality and performances using **C++**, **Docker**

Java Play Store Clone with Fake Review Detection

A virtual Play Store platform to enhance user trust by filtering out fake reviews. Implemented a custom algorithm for fake review detection using keyword analysis and text pattern recognition using **Java SE**, **MySQL**

CERTIFICATIONS

IBM Professional Certificates:

- Developing Front-End Apps with React
 - Developing Back-End Apps with Express and Node.js
 - Application Development using Microservices and Serverless
 - Introduction to Software Engineering
 - Introduction to Cloud Computing
 - Introduction to Containers with Docker, Kubernetes & OpenShift
-