

BHARGAVI KRISHNAMURTHI

Software Engineer

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[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, ORM, 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**

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**

React Financial Data Visualization Dashboard

Developed a responsive financial dashboard to visualize Apple Inc.'s annual income statements using Financial Modeling Prep API, featuring dynamic filtering and sorting capabilities for various financial metrics and performance indicators using

React JS, **Tailwind CSS**

CERTIFICATIONS

IBM Professional Certificates:

- Full Stack Software Developer
 - Developing Back-End Apps with Express and Node.js
 - Application Development using Microservices and Serverless
 - Developing Front-End Apps with React
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