

BHARATH SRI VARDHAN VELDI

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I am an avid tech enthusiast, driven by passion for tackling challenges that inspire me to explore and acquire new skills. I firmly believe in the power of practical learning and fostering invaluable hands-on experience.

TECHNICAL SKILLS

- **DataStructures and Algorithms:** Python, C++, Java [Assimilation]
- **Web Technologies:** Javascript, Typescript, NodeJS, ExpressJS, ReactJS, AngularJS, RESTful API, Web Security, Web Testing and Debugging, HTML, CSS, JavaScript, Bootstrap, TailwindCSS, JQuery, GIT, DOM, GitHub, Render, Heroku.
- **Databases:** MySQL, MongoDB, Database Design and Management.
- **Tools and DataScience:** Machine Learning Algorithms, Natural Language Processing (NLP), Large Language Models(LLM), ChatBots, Data Preprocessing, Feature Engineering, Model Evaluation and Tuning, AWS, Postman, Nodemon, Redux, Mongoose, Cloud Computing, Serverless Computing, DevOps, Docker.
- **Other skills:** OOPS, Operating Systems, Computer Networking, Word, Excel, Powerpoint.

WORK EXPERIENCE

AMAZON - DevOps Engineer

August 2022 - July 2023

- I've been part of developing an application to analyse, find, filter and store logs easily posted by our core transportation services using AWS cloud services like S3, AWS Lambda, API Gateway, IAM Roles, Dynamo DB, Cognito, React, AWS Code Pipelines, Elastic Search. Managed risk, resolved 100+ bugs, and handled 100+ On-Calls to resolve software/stakeholders issues immediately.

AMAZON - DevOps Intern

Feb 2022 - Jun 2022

- Implemented and maintained CI/CD pipelines, monitored using CloudWatch, reduced incident response time by 30% through real-time alerting. Implemented auto-scaling and load balancing solutions. Resolved high-priority risks and bugs during 100+ On-Calls.

PROFESSIONAL EXPERIENCE

ESPORTZ - MERN STACK, GITHUB, POSTMAN, RENDER

Aug 2021 - Dec 2021

- Led the development of an E-commerce Sports application using the MERN stack with 10% enhanced user engagement after the platform was live, catering to 5000+ active users in college. Integrated features like Authentication, Search features, Recommendations, and Sports Equipment Management, etc.

MOVIE RECOMMENDATION SYSTEM - MACHINE LEARNING, MERN STACK

Mar 2022 - Jul 2022

- Leveraged Python and Machine Learning concepts such as Collaborative and Content-Based Filtering, Hybrid Recommenders, Matrix Factorization, User-item Interaction Modeling, Cold Start Problem, TensorFlow Recommenders, Surprise, train, and fine-tune models along with development and deployment of a website.

STUDENT SMART RENTALS - MERN STACK, GITHUB, POSTMAN, RENDER

Aug 2023 - Dec 2023

- Led the end-to-end development of a Rental Application platform for students at Indiana University Bloomington. Implemented User Authentication, Search Filters, Booking Management, Payment Gateway Integration, Real-time Notifications, Chatting System, Reviews and Ratings, Student and Owner Dashboards, Property Map View, Maintenance Requests, Support Center, FAQ.

EDUCATION

- **Indiana University Bloomington** - Masters, Computer Science - 1st Sem Coursework: Applied Algorithms, Software Engineering, Applied Machine Learning. Aug 2023 - Present
- **VNRVJIET** Hyderabad, India - Bachelors, Information Technology - 3.7/4.00 Jun 2018 - May 2022

CERTIFICATIONS AND ACHIEVEMENTS

- Paper Publication to 2nd CIS 2021 conference on Advanced Mushroom Classification.
- Secured top 10 in Videothon 2021(Machine Learning) conducted by Scaler Academy.
- Certificate by SCALER for completing Algorithms and DataStructures with 93% Problem Solving Percentage.
- Certificate by SCALER for completing Data Science with realtime project.
- Conception of Student Smart Rentals Idea and contributed to its development [Link to Github](#)
- Certificate by UCSanDiego for completing Introduction to BigData.
- Certificate by IBM for completing MATLAB, PYTHON and Data Analysis with Python.