Rishi Raj Bobbarapalli

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EDUCATION

University of North Carolina at Charlotte — Charlotte, NC
Masters in Computer Science — *Aug. 2024 – May 2026*
(Courses: Artificial Intelligence(Intelligent Systems), Visual Analytics, Computer Communications and networking)

Institute of Aeronautical Engineering — Hyderabad, India
Bachelors in Computer Science — *Aug. 2020 – May 2024*
(Courses: HUMAN COMPUTER INTERACTION (UI & UX),Machine Learning, Big Data and Analytics, Linear Algebra Calculus, Python Programming, C Programming, Data Structures and Algorithms, Computer Architecture, Operating Systems, Database Management Systems, Computer Networks, Compiler Design, Object Oriented Programming, Web Development, Image Processing, Data Mining, Software Testing, Network Security, Cloud Applications)

EXPERIENCE

Software Development Intern — Nov 2022 – May 2023
SYNTHEIM — *India*
- Developed REST APIs using NodeJS and MongoDB to store data from User Actions.
- Developed a full-stack web application enabling smooth client-server communication.
- Explored ways to streamline software workflow

Web Development Instructor — Sep. 2022 – May 2023
Google Developers Student Club(IARE) — *India*
- Facilitated workshops to enhance participants' skills and understanding in Web Development.
- Organized and executed events, including conferences and training sessions, ensuring smooth operations and successful outcomes.
- Spearheaded projects focused on technological innovation and learning, driving successful implementation.

PROJECTS

Flex / *ReactJS, Tailwind, NodeJS, ExpressJS, MongoDB, Redux, Firebase* — Aug 2024
- Developed a web application with JWT cookie and OAuth authentication for secure access to protected routes.
- Enabled developers to share their portfolios, showcasing projects, skills, and resources. .
- Implemented robust security measures to ensure safe and seamless user experience across the platform.
- Hosted on flexfordev.onrender.com

ToShare(File Sharing) / *ReactJS, ChakraUI, IPFS, Web3Storage, Google Firebase* — May 2018 – May 2020
- Developed a web application enabling file sharing via IPFS and Web3Storage for decentralized storage.
- Implemented a feature to retrieve files using memorable word-based strings for easy sharing.
- Enhanced user experience by simplifying file access and distribution through a user-friendly interface.
- Hosted on toshare.vercel.app

Titanic Survival Prediction / *Python, Numpy, Sklearn, Seaborn.* — May 2020
- Developed a machine learning model using Logistic Regression to predict survival chances.
- Applied data analysis and feature engineering to enhance model accuracy and performance.

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, HTML/CSS, Java, C/C++
Frameworks: ReactJS, NodeJS, ExpressJS, Prisma, ChakraUI, Bootstrap, Tailwind, Numpy, Sci-kit, MatPlotLib
Databases: Google Firebase, SQL, MongoDB, PostgreSQL
Developer Tools: Git, Docker, Visual Studio Code, PyCharm, Postman, Figma, Tableau

MISCELLANEOUS

Roles: Technical Member of clubs, Basketball Team Captain, Research Group Leader
Hackathons: Modifest(36hrs), Lexicon(24hrs)