Vinay kumar Godavarti

gvk.kumar100@gmail.com | https://www.linkedin.com/in/vinay-kumar-godavarti/

EDUCATION

Binghamton University (SUNY) — New York, NY
Master's Computer Science — *August 2023 -*

Gitam Deemed University — Visakhapatnam, India
Bachelor of Technology in Computer Science and Engineering - A — *June. 2019 – May 2023*

EXPERIENCE

Graduate Research Assistant — August 2024 - Present
Binghamton University (SUNY) — *New York, NY*
- Fixing bugs and optimizing web applications, leading to improved performance and a better user experience.
- Enhancing UI components with Next.js and React.js to create an intuitive, responsive, and accessible web experience while integrating RESTful APIs for seamless data exchange.
- Collaborating with faculty and researchers to analyze software requirements and implement scalable, high-performance solutions.

Undergraduate Research Assistant — April 2023
Gitam Deemed University **Publication:**<u>Link</u> — *Visakhapatnam, India*
- Developed and implemented credit risk models using **machine learning** to predict credit scores for financial institutions.
- Enhanced risk management strategies by addressing high default rates in lending portfolios.
- Documented testing procedures, installation steps, and operational guidelines for deployed models.

Software Engineer Intern — June 2022 – July 2022
Let's Grow More — *Remote, India*
- Built a front-end web application using React.js, JavaScript, HTML, and CSS, improving user interaction.
- Designed and executed test cases to enhance application reliability, debugging issues, and refining functionality.
- Collaborated with senior developers to optimize code structure and performance, enhancing the application's efficiency.

PROJECTS

Ipl-Auction: *Node.js, ReactJs, MongoDB, JavaScript*
- Designed and developed a sophisticated MERN Stack application simulating the dynamics of an IPL auction.
- Integrating advanced features such as real-time data processing, RSS feed integration for live news updates and complex bid management mechanisms.
- Implemented an optimized backend to handle concurrent requests efficiently, ensuring a seamless user experience.

Expense Tracker Budget Management: *MERN Stack*
- Built a full-stack budget management app with a React.js frontend, Node.js backend, and MongoDB for data storage.
- Developed RESTful APIs to handle user authentication, expense tracking, and data validation.
- Designed an intuitive UI for smooth user experience across devices.

HandWritten Digits Recognition: *Python, TensorFlow, Java*
- Developed an Android application for digit recognition, integrating TensorFlow Deep Learning models with the MNIST dataset.
- Implemented real-time image capture and classification, allowing users to draw or upload digits for instant recognition.

TECHNICAL SKILLS

Programming Languages: Python, JavaScript, TypeScript, Java, SQL, C/C++, HTML, CSS
Frameworks/Libraries: Next js, React js ,Express js,Redux, CSS 3, Django, Java Spring Boot,Pandas, NumPy
Tools and Platforms: MongoDB, PostgreSQL, Git, Nodejs, MySqL, Android Studio, TensorFlow, Visual Studio Code ,Postman, Jira, Docker, Kubernetes, Tableau