Manav Kakulamarri

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EDUCATION

University of Maryland   *College Park, MD*
Bachelor of Science, Computer Science, Information Science   *Expected: May. 2026*

Extracurricular Activities: Bigthink AI, Bitcamp, Google Developer Student Club

PROFESSIONAL EXPERIENCE

Loudoun County   *Leesburg , VA*
Software Engineering Intern   *June 2024– August 2024*

- Developed simulations of virtual fires using JavaScript, effectively training hundreds of firefighters throughout Loudoun County, enhancing their preparedness and response capabilities
- Improved the usability of the SimuShare software by implementing custom code in JavaScript, resulting in a more intuitive and user-friendly training experience for firefighters.
- Collaborated with a team to maintain and enhance the Loudoun County Fire and Rescue website, utilizing HTML, JavaScript, and CSS to ensure up-to-date information and seamless user experience.

Zillion Technologies   *Ashburn,VA*
Software Engineering Intern   *July 2023 - August 2023*

- Developed language learning models using Python to automate text summarization, enhancing the efficiency of real-life use cases and improving information accessibility
- Researched, collaborated, and created an AI program to automate self-service requests for Zillion Technologies, streamlining customer support processes and reducing response times
- Utilized AI tools and libraries, including AIOps, NLP, and NLTK, to prevent incidents and automate routine tasks such as incident reports, significantly improving operational efficiency and reducing manual workload

Apex Schools   *Hyderabad, India*
Software Engineering Intern   *June 2021– Apr 2022*

- Organized and managed data for thousands of students at Apex Schools, ensuring accurate and efficient data handling and accessibility
- Developed attendance reports, student monthly progress reports, and student fees reports using Microsoft Power BI, providing actionable insights and enhancing administrative efficiency.
- Collaborated with a team to create the school website using HTML, JavaScript, and CSS, resulting in an improved online presence and user experience for students, parents, and staff

PROJECTS

Social Media Trend Analyzer https://github.com/Manav-K/Trender   *July 2024*

- Collaborated with a team to develop Trender, a real-time social media analytics application, collecting data from platforms such as Facebook, Instagram, and Twitter using API integration and data scraping techniques
- Executed sentiment analysis using Natural Language Processing (NLP) in Python to assess trending topics, providing insights on whether they are trending positively or negatively, enhancing users' ability to track social media trends
- Built and deployed the Trender app using Java, HTML, and CSS, successfully displaying real-time analytics to thousands of users, ensuring a responsive and user-friendly interface that updates continuously with the latest data

Expense Tracking Application https://github.com/Manav-K/BudGenius   *June 2024*

- Developed and deployed Budgenius, a full-stack expense tracker application using Python (Flask) and ReactJS, resulting in a robust platform for managing personal finances with real-time analytics and reporting features
- Implemented advanced algorithms for expense categorization, budget tracking, and data visualization, leveraging PostgreSQL for efficient data storage and retrieval, enhancing user experience and financial insights.
- Collaborated with a team of developers using Git for version control, conducted thorough testing and debugging, and successfully deployed the application on AWS, ensuring high performance and scalability

SKILLS

- **Programming Languages:** Java, JavaScript, Python, My SQL, Microsoft Power BI, Git, ReactJS, Angular, Redux/Flux, HTML, CSS/Bootstrap, Swift, C#, Jest, TypeScript, Scratch, Ruby, Go, PHP
- **Certifications:** AWS Certified Cloud Practitioner, AWS Certified Cloud Developer
- **Technologies:** Machine Learning, Artificial Intelligence, SQL, Excel, PowerPoint, ETL, Matlab, Git, Pandas, NLP, Tensorflow, Webpack, Node, Vue, Google Cloud Platform, Amazon Web Services