

Namith Manjunath Telkar

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EDUCATION

Indiana University Bloomington

M.S. in Computer Science (GPA: 3.95)

August 2023 - May 2025

Bloomington, Indiana

- **Relevant Coursework:** Applied Algorithms, Software Engineering, Information Visualization, Database Design

PES University

B.Tech. in Computer Science (CGPA: 8.9)

August 2019 - May 2023

Bengaluru, India

- **Relevant Coursework:** Data Structures and Algorithms, Web Development, Distributed Systems, Cloud Computing

SKILLS

Programming Languages: Python, Java, JavaScript, C, Typescript, Go, HTML/CSS, SQL

Web Frameworks: React.js, Node.js, Express.js, Flutter, Flask, Next.js, GraphQL

Databases & Data Tools: MySQL, Postgres, MariaDB, MongoDB, PowerBI

DevOps & Tools: AWS, Git, Postman, JIRA, Agile

EXPERIENCE

Indiana University Bloomington

June 2024 – Present

Lead Teaching Assistant for I211 - Information Infrastructure

- Instructed and mentored over 150 students in comprehensive full-stack web development, implementing Flask framework for backend logic and integrating HTML and CSS to create responsive and visually appealing user interfaces
- Guided students in mastering Git version control and essential developer tools, leading to an average 80% improvement in practical coding skills among all students of the class

Fond Solutions

January 2023 – April 2023

Software Development Engineering Intern

- Architected a mobile application using Flutter with Dart, seamlessly integrated with REST APIs and AWS tools (AWS Lambda, AWS S3) for smart pet collar, achieving a remarkable 70% daily active user rate
- Enhanced backend development using Node.js, Express.js, MongoDB, and Postman, optimizing database queries and API processes resulting in a significant 10% reduction in overall response time

Rolling Right

August 2022 – December 2022

Frontend Developer Intern

- Pioneered the design and development of an innovative e-commerce web application using React.js, Node.js, Express.js, MongoDB, and Shopify API streamlining the shopping experience and achieving a 15% increase in overall sales
- Improved website load time by 30% through strategic code optimization techniques, primarily by implementing lazy loading for images and other assets resulting in a smoother user experience

Akamai Technologies

June 2022 – July 2022

Summer Intern

- Devised a software tool using Python to efficiently identify and resolve Split Brain issues in the Akamai-MROM application's distributed database clusters using Object Oriented Programming (OOPS) concepts
- Reduced Split Brain issues by 10%, improving database cluster stability and synchronization using distributed algorithms such as the Leader Election Algorithm and Master-Slave replication model

Fond Solutions

June 2021 – May 2022

Software Development Engineering Intern

- Engineered and launched the application on both Google Play Store and Apple App Store, maintaining close to 5-star rating
- Actively collaborated with cross-functional development and design teams to significantly improve app functionality and overall user experience, efficiently resolving 90% of reported issues and implementing user-requested features

PROJECTS

Social Media Networking Website (Sharify)

August 2023 – December 2023

- Led a team of five in designing and developing a full-stack social media networking website using React.js, Node.js, Express.js, and MongoDB, for a Software Engineering course achieving a 94% grade
- Practiced Agile methodologies and utilized project management tools such as JIRA to improve team collaboration and completed 95% of planned sprint tasks on time across 6 two-week sprints

Location-Based Recommender System (Best Venue Suggestor)

January 2022 – May 2023

- Developed a real-time venue recommendation application using Python, NLP Libraries (spacy, NLTK), Machine Learning Libraries(Scikit-learn, Numpy, etc), and Google APIs optimizing suggestions based on distance, traffic, and user preferences
- Implemented an SVM model for personality determination based on the Myers-Briggs Test, achieving 84% accuracy in predicting user preferences for venue recommendations

PUBLICATIONS

[A Real-Time Adaptive Location-based Recommender System Integrating Personalities, 2023 IEEE I2CT](#)