

Amala Natu

Jersey City, NJ 07306 | natuamala21@gmail.com | 201-920-6154 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems	New York, NY
Master of Science (MS) in Computer Science Concentration: Software Development	May 2024
University of Mumbai, S.I.A College of Higher Education	Mumbai, India
Master of Science (MS) in Information Technology	June 2021
University of Mumbai, V.G.Vaze Kelkar College	Mumbai, India
Bachelor of Science (BS) in Information Technology	June 2019

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, JavaScript, TypeScript, R
Database Management: MySQL, MongoDB, Microsoft SQL server
Front-End Development: React, HTML, CSS, Bootstrap, Angular JS, jQuery
Back-End Development: Node.js, RESTful APIs, Spring, .NET Framework
Operating System: MacOS, Chrome OS
Microsoft Office Suite: Word, Excel, PowerPoint, Outlook

ACADEMIC PROJECTS / PERSONAL PROJECTS

Maid Ease	March 2024
<ul style="list-style-type: none">Developed Maid Ease, a robust web application using the MERN stack (MongoDB, Express.js, React.js, Node.js) to seamlessly integrate services like laundry, childcare, pet care, senior citizen care, and household services.Utilized both Agile and Waterfall methodologies to effectively manage project timelines and deliverables.Implemented Jenkins for continuous integration and development and Amazon Web Services for scalable and reliable hosting, while managing project tasks and communication using Jira.	
Pandemic Insights and Forecasting	April 2023
<ul style="list-style-type: none">Utilized pandas for data extraction, transformation, and loading) processes, ensuring data integrity through missing value imputation and type conversions.Deployed matplotlib and seaborn for advanced data visualization and (ETL) exploratory data analysis (EDA), identifying trends across spatiotemporal and demographic dimensions.Implemented advanced statistical methods and machine learning models using scikit-learn and stats models to forecast COVID-19 case, recovery, and death rates with high precision.	
News Blog Website	December 2022
<ul style="list-style-type: none">Designed blog website in React, JavaScript, HTML that enables users to review news from Twitter and articles with third-party API integration, implementing AJAX call to update every 30 seconds.Loaded blog posts and summaries about "Health is Wealth" from external XML document and displayed 5 tweets.	

PROFESSIONAL EXPERIENCE

Shoptaki, New York, NY UI/UX Designer Intern	June 2023- September 2023
<ul style="list-style-type: none">Implemented wireframes, prototypes, and mock-ups using FigJam, Figma, reducing development time by 20%.Collaborated with team to translate real-estate goals into user-friendly designs, raising satisfaction by 30% and conversion rates by 20%.Managed design system for uniformity, resulting in a 40% decrease in user confusion and 15% increase in brand recognition.Worked closely with developers to ensure seamless integration of UI/UX design into the final product, reducing post-launch bugs report by 25% and improving overall product stability.Conducted user research and usability testing to identify pain points and improve user experience, resulting in a 15% decrease in bounce rate.	
Tikona Networks Pvt. Ltd., India Network Support Engineer	August 2020- December 2020
<ul style="list-style-type: none">Evaluated client network for broadband connectivity issues and handled fault incident in Siebel Tool, resolving 60% of issues.Conducted performance tuning and availability of network devices and monitored client's network using tools like cnMaestro, Flex master, and Wireless: RUCKUS, which led to a 40% increase in productivity.Implemented Advanced Technical Support for Engineering Team of O&M Engineers and ATS Engineers, which reduced installation time by 10 hours per week.	