

Vyshnavi Basude

+1 (203)903-8323 | vyshbasudeusa@gmail.com | <https://www.linkedin.com/in/vyshnavi-basude/>

EDUCATION

Master's: Computer Science - University of New Haven, West Haven, CT

Aug 2022– May 2024

Related Courses: C, C++, Java, Python, ReactJS, Vue, Nodejs, Express, Big data and cloud computing, Artificial Intelligence (AI), Machine learning (ML), Data Mining, Web development, Mobile Development, Distributed Systems, Data Structures.

Bachelor's: Electronics and Communication Engineering - GRIET, Hyderabad India

June 2017– Apr 2021

Related Courses: C, C++, Java, Computer Networks, Wireless Networks, IOT, Big data and cloud computing, Artificial Intelligence, Machine learning, Database Systems, object-oriented programming, Data Structures.

SKILLS

Web technologies: HTML, CSS, Vue.js, TypeScript, JavaScript, Angular, Next.js, React, Node.js, ASP.NET.

Frameworks: Rust, Webpack, NPM, Ruby on Rails.

Programming Languages: Java, C, Python, C#, C++, Go, PHP, R.

Relational Database: SQL, MySQL, Postgres, NoSQL, Mongo DB, SQL Server, Oracle.

Version Control and Containerization: Git, GitHub, Docker, Kubernetes, Postman, Apache Spark, Kafka.

Cloud Platforms: Amazon web services (AWS), Azure, Google Cloud Platform, DevOps.

Soft Skills: Analytical skills, problem-solving, Communication skills, Decision-making, Critical Thinking, Attention to detail.

Operating Systems/Networking: Windows, MacOS, LINUX, UNIX, TCP/IP, PowerShell, UDP, iOS, Android, Bash.

CERTIFICATIONS

- Certified Salesforce Administrator
- Data Structures and Algorithms in Python
- Introduction to IoT
- Certified Platform Developer I

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant, University of New Haven, CT

Jan 2024 – May 2024

Responsibilities:

- Explained complex **AI, Linux shell scripting** (Bash), PowerShell scripting, and software development concepts to over 50 students per semester, enhancing their understanding and application of technical solutions by 30%
- Assisted students in debugging, troubleshooting and optimizing their code, leading to a 25% reduction in error rates and a 20% improvement in their project completion times.
- Explored ways to visualize **GitHub** collaboration in a classroom setting and maintain technical documentation

Software Engineer - Accenture, India

July 2021 - Aug 2022

Responsibilities:

- Developed scalable web-based user interfaces using modern **JavaScript, TypeScript, React, HTML, and CSS**, enhancing usability and performance by 30%.
- Developed scalable backend functionality using **Python** achieving a 25% reduction in server response times and a 30% increase in data processing efficiency while adhering to best coding practices.
- Designed and integrated **HTTP Calls and RESTful APIs**, ensuring seamless communication between front-end and back-end services while improving system efficiency by 25%.
- Developed and maintained distributed cloud systems using **AWS**, ensuring high scalability and reliability for large-scale internet scanning applications.
- Utilized **Git** and **GitHub** for version control, maintaining efficient workflows and ensuring collaboration in a team-based Agile environment.
- Collaborated with cross-functional teams to front-end and back-end integrations, achieving a 35% improvement.
- Streamlined CI/CD pipelines and automated deployment processes - AWS infrastructure, reducing deployment errors by 20%.
- Optimized **SQL** database schemas and queries, improving data processing speed by 40% and ensuring reliable real-time analytics.

Web Developer - Capgemini, India

July 2020 - Apr 2021

Responsibilities:

- Modernized a User Interface platform for client investment management in private equity and mutual funds using **React** and robust APIs, resulting in a 45% increase in user engagement and a 55% improvement in system efficiency.
- Restructured UI architecture using JS libraries or state management libraries, **Redux, Flux, and subscribers**, resulting in a 40% improvement in response times and a 30% enhancement in user experience satisfaction.
- Installed continuous integration and deployment pipelines, enhancing team productivity by 25%.
- Executed efficient **Git strategies**, resulting in a 40% reduction in merge conflicts and a 25% increase in productivity.

PROJECTS

Single Page Application, Super Bowl Winners

- Architected a robust SPA leveraging **Vue.js, Node.js, Express.js** and MongoDB, significantly boosting user engagement through 70% more efficient data handling and seamless real-time content updates.
- Designed and analyzed RESTful APIs using Node.js, facilitating seamless communication between the front end and back end, leading to a 45% increase in data retrieval efficiency.

Uber Data Analysis Using Machine Learning Algorithms

- Applied research and data analytics using **NLP (Natural Language Processing), ML (Machine Learning)**, and Artificial Intelligence (AI) to improve Uber's services by identifying patterns in Uber data, leading to a 40% increase in operational efficiency and parallelization.
- Led a data science project resulting in an ADA Boost model outperforming others with 98% accuracy in predicting Uber and Lyft sales; maintained model accuracy through regular validation and adjustments.

E-Commerce application with Integrated Chatbot:

- Engineered an e-commerce platform using React with real-time updates, incorporating features like hooks, context API, and server-side rendering, improving load times by 25%.
- Integrated a Dialog flow chatbot for personalized recommendations, enhancing user engagement by 40%.
- Constructed the backend with Node.js and MongoDB, deployed on AWS (EC2 and S3), reducing hosting costs by 35% and ensuring 99.9% uptime