

Deepika Narne

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EDUCATION

Binghamton University, State University of New York

Master of science in Computer Science

SRM University Amaravati, India

Bachelor of Technology in Computer Science | Minor Degree in Psychology

TECHNICAL SKILLS

Programming and Database: Python, C++, C, JavaScript, TypeScript, MongoDB, PostgreSQL

Full Stack: React JS, Redux, Next JS, Node, Express, RESTful APIs, HTML/CSS, Bootstrap, Material UI, Tailwind, OAuth, JSON, Axios, AWS

Technical Strengths: Machine Learning, Data Visualization, Data Mining and Agile methodology

Additional Skills: Git, GitHub, Visual Studio Code, Jupyter Notebook, Google workspace, Microsoft office Suite

Interpersonal strengths: Problem-solving, Adaptability, Teamwork, Communication

PROFESSIONAL EXPERIENCE

Binghamton University – Graduate Grader

Aug 2023 – present

- Designed challenging web assignments on **Code Sandbox** for over 60 students, delivering feedback to elevate coding proficiency
- Mentored students on intricate concepts such as asynchronous programming and **RESTful API** development, offering assistance and clarifications to address their queries

Tata Consultancy Services – Software Developer

Mar 2022 – Dec 2022

- Developed a modern Analytics Dashboard, integrating **Python** ML models with **React JS**, resulting in a 30% boost in data processing efficiency through **agile** methodologies and cross-team collaboration
- Implemented advanced data visualization, driving a 40% increase in engagement with predictive analytics insights within the Dashboard
- Restructured frontend architecture with React techniques such as code splitting and **lazy loading**, trimming page load times by 25% and captivating audiences by instant access to critical content
- Revamped the backend infrastructure of an E-commerce Recommendation System with **Node.js** and **PostgreSQL**, achieving a 25% enhancement in system responsiveness via **next.js** caching mechanisms
- Organized 20+ Scale AI team meetings, fostering proficient collaboration and skill enhancement among team members

Versatile Softwares Private Limited – Web Developer

Sep 2020 – Feb 2022

- Crafted over 15 responsive web templates, each tailored to different domains, ensuring optimal functionality and 100% client satisfaction
- Utilized CSS frameworks like **Bootstrap** and **Flexbox** to enhance the responsiveness of web templates, seamlessly integrated with Chrome and **Redux DevTools** for debugging and optimizing workflow
- Orchestrated React-backend integration to streamline data exchange, reducing retrieval time by 30% and enhancing system efficiency and scalability through APIs
- Strengthened security by seamlessly integrating **OAuth** authentication with **Express.js**, ensuring data protection and strict access controls
- Led rigorous cross-device testing on frontend components, resolving compatibility issues and improving website usability by 25%

APSSDC – Application Developer

June 2020 – Aug 2020

- Coordinated with a developer team to ideate a suite of 8 browser-based games utilizing **HTML/CSS**, and **JavaScript**
- Integrated a variety of interactive **animations**, enriching the application's functionality and enhancing user engagement

PROJECT EXPERIENCE

Quick-Bite: Food Ordering Application

- Streamlined Quick-Bite, an MERN stack application tailored for swift food ordering. Employed **Jest** for comprehensive testing and utilized **Tailwind CSS** to create a polished UI, ensuring a fluid menu browsing experience
- Enhanced security by incorporating **OAuth** authentication, providing 100% secure authentication mechanism

Enhanced Task-Pro: Task Manager

- Programmed a high-level To-Do application using **React** and **Node.js**, incessantly integrating with **MongoDB** for efficient data storage
- Improved task organization with personalized lists and tag-driven filters, utilizing **Bootstrap** for a responsive UI. Employed **TypeScript** to enhance functionality, enabling seamless integration of live features resulting in a 100% effective prioritization

Sky Mood: A Weather Forecast Application

- Engineered a Weather application with **Material UI**, backed by a robust server using **Axios** for data communication
- Incorporated **Express.js** for data retrieval from an external source through API authentication, obtaining and interactively displaying weather information for over 240 countries, including forecasting for the upcoming 5 days, enhancing user convenience

CERTIFICATIONS

- React – the complete guide (Udemy)
- Microsoft Certified: **Azure** Fundamentals
- Certified Associate in Python Programming (PCAP-31-03) – Python Institute