A. TEJESH KUMAR

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Education

Narasaraopeta Institute of Technology, JNTUK Affiliated **Sep 2021 – April 2025**
B.Tech in Electronics and Communication Engineering, CGPA: 7.1 *Narasaraopet, A.P*

Government Junior College, A.P **July 2019 – March 2021**
XII Board (Mathematics, Physics, Chemistry), Percentage: 50% *Rayadurgam, A.P*

Kallimattam M.P.L High School **July 2018 – April 2019**
SSC (10th Grade), CGPA: 8.5 *Rayadurgam, A.P*

Experience

Naresh Technologies and Consultancy Services (NTCS) **June 2024 – July 2024**
IoT Intern *On-Site/Virtual*
- Developed IoT-based solutions using microcontrollers like ESP32 and Arduino for real-time monitoring and automation.
- Implemented obstacle detection and automation techniques using various sensors to enhance system efficiency.
- Worked on wireless communication and cloud integration for data collection and remote monitoring.
- Gained hands-on experience in IoT protocols and embedded systems programming.

Airbaclabs.Pvt.Ltd **Oct 2024 – Dec 2024**
Full Stack Developer Intern *On-Site/Virtual*
- Assisted in the development of the full stack for a web application named Skyline Estate using React.js and Next.js.
- Integrated AWS Cognito for authentication, RDS (PostgreSQL) for database management, API Gateway for secure API endpoints, and EC2 for scalable hosting.
- Utilized AWS Amplify for deployment, S3 Bucket for file storage, and VPC for network isolation.
- Managed access control using AWS IAM roles and policies for efficient cloud resource security.
- Monitored and optimized cloud resource usage using AWS Billing and Cost Management.
- Worked with Google Firebase to manage user-inputted data across multiple platforms, including web and mobile apps.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

Chatter Time online RealTime Chatting App | *React.js,Node.js,Express,MongoDB,Socket.io* **January 2025**
- Developed a real-time chat application with JWT authentication, storing user details in MongoDB and profile images in Cloudinary.
- Implemented WebSocket communication using Socket.io for instant messaging and real-time updates.
- Designed a responsive UI with dynamic chat rooms, private messaging, and secure user authentication.
- Deployed the application on Render for scalability, high availability, and optimized cloud hosting.

Skyline Estate app | *Next.Js,Node.Js,Redux,Typescript,Motion,Express.Js,AWS* **December 2024**
- Developed a real estate platform with Next.Js and AWS, integrating Mapbox for property location mapping.
- Utilized AWS Amplify, RDS (PostgreSQL), S3 Bucket, EC2, VPC, IAM, Cognito Auth, and API Gateway for secure and scalable infrastructure.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

TuneTime Music app | *react.Js,Typescript,ShadCN UI,Node.Js,MongoDB,Express.Js,Javascript* **August 2024**
- Developed TuneTime Music App, a music streaming platform with real-time chat using Socket.io, allowing users to interact while listening.
- Integrated MongoDB for user data, Clerk Auth for security, and a feature to display currently playing songs.
- Designed with ShadCN UI Tailwind.CSS, ensuring a seamless experience, and deployed on Render.

Technical Skills

Languages: Python, JavaScript, HTML/CSS, MySQL
Developer Tools: VS Code, Eclipse, Git
Technologies/Frameworks/Data Base: Node.js, Express.js, React.js, MongoDB, PostgreSQL, AWS, Kali Linux

Achievements & Certifications

Student **January 2023**
Narsaropet Institute of Technology
- Won first place in a full-stack development hackathon using Python, leading a team of six as the team leader.
- Won first prize in a PPT presentation competition, receiving an award and certification for excellent presentation skills.
- Organized an IEEE event, led volunteer recruitment, and earned certification for effective management.