DIVYA BHUPINDER SURI

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EDUCATION

Master of Science in Information Systems, Northeastern University — Expected Dec 2024
Bachelor of Engineering in Electronics, University of Mumbai — 2016 - 2020

TECHNICAL SKILLS

Programming Languages:	Java, **Go**, **Python**, HTML, CSS, **JavaScript**, **Typescript**
Frontend:	**React.js**, **Next.js**, **GraphQL**, **Webpack**, **React Native**, Vue, Angular
Backend:	**Node.js**, **Django**, **Flask**, **MongoDB**, **MySQL**, **PostgreSQL**, Redis
Cloud:	**AWS**, **Azure**, GCP (Google Cloud Platform)
Tools:	**Terraform**, Docker, Kubernetes, **Git**, **Github**, **Postman**, Powershell, Bash

WORK EXPERIENCE

Full Stack Developer Intern | Tesla, Palo Alto — Jan 2024 - Present

- Built a scalable, full-stack application for battery configuration design using React for an intuitive UI and Django for backend functionality, facilitating engineers' workflow automation
- Designed and Developed a data visualization app using **React**, **Django**, and **Highcharts**, significantly enhancing data presentation and user interaction
- Created a fault tree generation tool that transformed complex data inputs into dynamic fault trees, enhancing reliability analysis and decision-making for engineering teams
- Collaborated with cross-functional teams to seamlessly integrate user feedback, optimize performance, and elevate user satisfaction

Software Engineer | Rockmetric Innovations, Mumbai, India — Dec 2020 - July 2022

- Spearheaded the development of front-end features utilizing HTML, CSS, and React.js, enhancing user experience
- Improved application Lighthouse performance from 7% to 80% through lazy loading and scalability fixes, while also embracing agile practices like **Scrum** and **Kanban**
- Optimized app performance by 20% and increased user engagement by 30% through implementation of the admin monitoring page

Frontend Developer Intern | Captiwit, Mumbai, India — Sept 2020 - Dec 2020

- Collaborated proactively with diverse teams, integrating front-end with back-end systems, leading to a 20% reduction in customer bug reports
- Conducted performance analysis and optimization of frontend applications, utilizing tools such as **Chrome DevTools**, **Lighthouse**, and **Webpage test**

ACADEMIC PROJECTS

Healthcare Application System | MongoDB, Express, React, Node (MERN) — Nov 2022 - Dec 2022

- Designed and implemented a MERN stack mental health platform for online counseling via web, phone, and text, with secure Stripe payment integration for appointments and medications
- Employed Nodemailer for automated post-therapy emails, session feedback, and medication prescriptions, while updating user profiles in MongoDB

Cloud Application | Node, Terraform, Packer, AWS, Namecheap — Jan 2023 - May 2023

- Developed a Node.js web application with bcrypt authentication, image uploads to S3 using Multer, and CloudWatch for logs and metrics
- Implemented CI/CD workflows, auto-scaling EC2 instances, and secured endpoints with SSL, using encrypted EC2 and RDS instances

CERTIFICATIONS

AWS Certified Cloud Practitioner | Amazon Web Services (AWS) — March 2023 - March 2026
Microsoft Certified: Azure Fundamentals | Microsoft — May 2023