SHASHIKANT KUMAR

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EDUCATION

IIIT Delhi   New Delhi, India
B.Tech in Computer Science & Engineering | CGPA: 8.13   *August 2018 – May 2022*

EXPERIENCE

Qualcomm   Hyderabad, Telangana
Engineer   *June 2022 – Present*
- Spearheaded the development of a React + Electron-based desktop application, improving power and thermal analysis efficiency for Qualcomm chipsets by **30%.**
- Led a front-end development team for a highly interactive desktop Margin Tool, showcasing chipset performance metrics and analysis of components such as **PCIE, UFS and CSI**, leveraging **React, electron and Vite.**, enhanced functionality allowed customers to conduct analysis **30% faster**
- Co-developed a **cross-framework high performance Component library**, facilitating **seamless integration with Angular and React frameworks**. Currently deployed in over **15 production applications**
- Developed over **20 reusable and highly customizable components (e.g., Breadcrumbs, Avatar, Stepper, Card)** in React and Angular.
- Migrated a legacy test automation system from **Angular 9 to Angular 16**, improving test execution speed and efficiency.
- Optimized **LINQ queries** in a large .NET project, reducing loading times of various pages by **70%**

Mindworks Global   New Delhi, India
Data Analyst Intern   *February 2022, April 2022*
- Automated web scraping of cloud service provider websites (e.g., AWS, GCP, Azure) using **Selenium**, increasing data extraction efficiency by **50%** and enabling the collection of over **10,000 data points** per week.
- Trained a **machine learning model** using **SVM** and **TF-IDF vectorizer** to categorize cloud services from product descriptions, achieving **98.8% classification accuracy** and processing over **5,000 product descriptions**.

PROJECTS

Plants Vs Zombies | Java, JavaFx, OOPs,   *January 2020 – February 2020*
- Cloned plants v/s zombies with much of the same functionalities as in the original version of the game
- It offers 5 different levels (increasing in order of difficulty) with 5 different plants and 4 different zombies.

Speech-Gender-and-Emotion-Predition | CNN, API, MLP, SVM, RandomForest   *February 2021 – April 2021*
- Trained a model to predict gender and emotion from speech audio files with **2-second** response time, achieving accurate and efficient real-time analysis.
- Utilized various machine learning models (CNN, MLP, SVM, RandomForest), achieving **85.07% accuracy** with a Convolutional Neural Network (CNN).

POSITION OF RESPONSIBILITIES

IIIT Delhi   New Delhi, India
Athletics Coordinator   *August 2021, August 2022*
- Led the IIIT Delhi Athletics team to win **3 medals** in inter-collegiate competitions,
- Organized **5** sports events both offline and online.

Odyssey   New Delhi, India
Sponsorship Organizer   *October 2018, January 2019*
- Brought sponsorship for Odyssey - cultural fest of IIIT-Delhi and successfully **raised Rs 120,000/-** for the event.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, HTML, JSX, TSX, CSS, Python, C#, C++, SQL, Go, Ruby
Frameworks/Liberaries: React, Angular, Node.js, Electron, Next.js, Redux, Chakra-UI, Material-UI, TailwindCSS, Plotly.js, D3.js
Backend Technologies: Node.js, Express, .NET, SQL Server, MongoDB, REST APIs, GraphQL, Microservices
Cloud Platforms: AWS (EC2, Lambda, S3), GCP, Azure, Docker, Kubernetes
Testing & DevOps: Playwright, Cypress, Jenkins, Docker, GitHub Actions, CI/CD
Developer Tools: Git, Visual Studio Code, IntelliJ, Docker, Jenkins, Turborepo, NPM, Pnpm.