Divyansh Agarwal

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EDUCATION

BHARATI VIDYAPEETH COLLEGE OF ENGINEERING
Bachelor in Computer Science and Engineering
Aug 2017 - Aug 2021 | Delhi, India
CGPA | 9.1

KULACHI HANSRAJ MODEL SCHOOL
PCM with Computer Science
Grad. May 2017 | Delhi, India
Percentage | 93%

ACHIEVEMENTS

ON THE SPOT AWARD | Tata Consultancy Services
May 2023

FINALIST IN SMART INDIA HACKATHON | Bangalore, India
March 2019

SECOND PRIZE IN CODE FREEZE | IGDTUW, Delhi
Oct 2019

SKILLS

PROGRAMMING

LANGUAGES:
• Golang • Python • JavaScript • Java • SQL

TECHNOLOGIES:
• Node.js • Express.js • React • AWS • Git
• Redshift • Snowflake • Django • GraphQL

CONCEPTS:
• Object Oriented Programming • REST API
• Functional Programming • Microservices

TOOLS: • Git • Docker • Matillion • CI/CD

SOFT SKILLS
• Leadership • Problem-solving • Teamwork
• Critical thinking

SOCIAL ACTIVITIES

HEAD OF WEB DEVELOPMENT | Google Developers Group - DSC BVP | 2019-2020
Lead web development team and increased society's engagement by creating and maintaining society's website for managing events and registered members, that reduced registration time by **90%** and increased event registrations by **30%.**

PROJECT ASSOCIATE | NSS | 2018-2020
Managed the technical projects of society with a **90%** success rate and managed the project team.

SWACHH BHARAT INTERNSHIP | Govt. of India | 2019
Dedicated **100 hours** to cleaning nearby villages and raising awareness about cleanliness under the Swachh Bharat Mission.

EXPERIENCE

TATA CONSULTANCY SERVICES | Data Engineer
August 2021 - Present | Delhi, India
- Worked on a **cloud-based data engineering project** managing more than **100 million** transaction records daily.
- Developed and maintained robust codes within the pipeline, ensuring smooth data processing and workflow efficiency in an **Agile environment** with **100%** on-time deliveries.
- Achieved a reduction of more than **60%** in daily production run time by refactoring the code with optimized logic thereby reducing the total pipeline runtime from **2.5 hours to 1 hour**.
- Integrated regression testing in the development process achieving a **30%** increase in test coverage.
- Built and maintained a highly scalable and reliable data infrastructure using **SQL**, **Matillion**, **AWS**, **Redshift**, and **Snowflake**, achieving a **97%** uptime rate for data pipelines over the past year.
- Collaborated closely with cross-functional teams to understand data needs, troubleshoot issues, and deliver high-quality solutions leading to a **60%** increase in customer satisfaction scores and feedback on data quality and accessibility.

EWENTLY | Cofounder and Backend Developer
March 2020 - July 2021 | Delhi, India
- Co-founded and spearheaded the technological development for Ewently, driving the vision and execution of the company's technical strategy while handling a tech team of **5** people.
- Engineered and optimized backend services, resulting in a **30%** reduction in platform latency over time and improved user experience.
- Built a robust and scalable backend infrastructure using **NodeJs**, **GraphQL**, **AWS** and **WebRTC**, capable of handling up to **1 million** concurrent users with **99.9%** uptime.
- Developed a highly secure OTP service, a pivotal component in implementing an advanced **2FA** system for Ewently, leading to a **20%** decrease in unauthorized login attempts.
- Worked with **WebRTC**, successfully creating a sophisticated video meeting infrastructure facilitating over **1 million** video meetings monthly with seamless collaboration features.

PROJECTS

MEDICHANGE | ⌨
- It's a platform similar to OLX but specifically designed for the exchange of unused medicines that is capable of diverting over **1,000 kg** of unused medications from landfills.
- Users can conveniently resell their surplus medications at discounted prices, promoting sustainable and cost-effective healthcare solutions.
- Technologies used: **Python, Django REST framework, React**

SERVICE-MANAGEMENT-CRM-API | ⌨
- It's an API designed to streamline customer relationship management for individuals purchasing services from a company.
- Employing a role-based authentication method with **3 roles**, it assigns distinct permissions to various roles for enhanced access control
- Technologies used: **Python, Django REST framework, React**

LOGIN ACTIVITY TRACKER USING JWT IN NODEJS | ⌨ Ⓜ 🌐
- It uses session simulation through JWT to effectively manage user login activities, ensuring a balance of reliability, security, and the stateless nature of JWT.
- This strategy allows for seamless handling of user logins while maintaining robust security measures achieving a **20%** reduction in unauthorized access attempts.
- Technologies used: **NodeJs, ReactJs, JWT**

SCALABLE OTP MICROSERVICE USING NODEJS | ⌨ Ⓜ 🌐
- It's an API that employs a unique encryption-based method, eliminating the need to store OTPs with personal identifiers (email/phone numbers) for reduced risk of data breaches.
- Upon OTP request, an encrypted object is sent, which is decrypted and verified during the verification process, leading to a **70%** increase in user trust and adoption
- Technologies used: **NodeJs, Encryption, Decryption, AWS**