Dhiren Chotwani

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EDUCATION

Santa Clara University, School Of Engineering, Santa Clara, CA   Sep. 2022 - Jun. 2024
Master of Science in Computer Science & Engineering   **GPA: 3.76/4.0**
*Coursework: Design & Analysis of Algorithms, Network Technology, Object oriented Programming, Software Testing,
          Computer Architecture, Advance Operating Systems, Database Systems*

University of Mumbai, Vivekanand Education Society's Institute of Technology, Mumbai, India   Aug. 2017 - Oct. 2020
Bachelor of Engineering in Computer Engineering   **GPA: 3.87/4.0**

Maharashtra State Board of Technical Education, Vivekanand Education Society's Polytechnic , Mumbai, India   Jun. 2014 - Jun. 2017
Diploma in Computer Technology   *Percentage: 87.7*

TECHNICAL SKILLS

Languages/Technologies: C, C++, C#, Java, PHP (CodeIgnitor, Laravel), .NET, Python
Databases: MSSQL, MySQL, PostgresQL, GraphQL
Web Development: HTML, CSS, JS, jQuery, Bootstrap
Frameworks: TensorFlow, Node.js, Express.js, Vue.js, React.js, Angular, SpringBoot, ASP.NET, JavaFX, React Native, PyTorch, Quasar, AgGrid
Misc: AWS, Azure, Git**,** Github, Docker, kubernetes(K8's), JIRA, Azure DevOps, CI/CD, Snyk, PowerBI Desktop, Power Automate, Power Apps

EXPERIENCE

Indus Valley Partners, Mumbai, India   Jul. 2020 - Aug. 2022
Associate Software Engineer

- Constructed an MVC-based **Java** application to provide backend support for a full-fledged Investment Firm (Risk data) dashboard, enabling the Risk Team to conduct data operations in an efficient way with faster data updation and retrieval.
- Designed & Developed Interactive UI components using **Vue.js, React.js, Angular and Node.js** to allow easy access to operations and improve end-user response time.
- Utilized **AWS-S3** service using **Node.js/Vue.js** to allow object storage through a web interface for a document repository. Integrated **Flow.js** to handle large PDF files along with **Express** Path Library.
- Added **Egnyte API** for file synchronization & sharing along with data governance to restrict data access on user role level.
- Pioneered **Office Add-ins** to support custom operations for Outlook/Gmail.
- Programmed **SQL Server Integration Services (SSIS)** to execute a wide range of data migration tasks along with **MS SQL Server.** Implemented Automated Report Delivery using **SSRS** for Custom Templates for various stakeholders.
- Built **Azure Data Factory Pipes** to pull in huge loads of data from various sources (Database, XML, Excel, CSV) and load data into **Synapse** Workspace, making ETL operations faster by 52% and enhancing scheduling capabilities.
- Collaborated with the Risk/Operation teams to understand their data analysis requirements and translated them into effective **Python** scripts. Ensured the accuracy and reliability of data transformations by conducting thorough testing and debugging of the scripts.
- Integrated and Developed **PowerBI** reports on a **React** Web Interface and automated custom frequency emails of these reports using **Power Automate** along with an ad-hoc option on the interface.
- Created UI Test cases using automated testing tool **Cypress** to perform Unit & Integration testing.
- Managed a team of three (interimly), with duties including client engagement, business requirements gathering, architecting solutions, scrum master and progress tracking.

PROJECTS

Coreveillance, Platform Independent App (React Native, PHP , MySQL, OpenCV, Deep Learning, Neural Network , Expo)   Jun. 2019 - May. 2020
- Designed & Conceptualized a real-time application based on video analysis and machine learning offering top-notch security features to residential and non-residential sites.
- Led a team of four contributors and published a paper at the Springer International Conference on Information and Communication and Technology for Intelligent Systems 2020, Vol 2, Issue 2 DOI: **10.1007/978-981-15-7062- 9_68.**

Aptifiers, Web Application (Web Technologies,, OOP PHP , MySQL , OpenCV, Image/Speech Recognition)   Jul. 2018 - May. 2019
- Devised & Collaborated with a team of two to implement an online portal to conduct multiple-choice tests.
- Included features for determining a person's authenticity using image recognition principles, ensuring no malpractices happen and displaying performance metrics for all users. Also implemented Speech Recognition to track any background noise which could help the employee gain unwanted advantage while appearing for a test.