**Pratyay Paul**

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**SUMMARY**

Software Engineer with experience in software design, development, databases, and web technologies, passionate about learning new technologies and broadening my horizons in the field of Information Technology.

**EDUCATION**

**Master’s in Information Systems Technologies**  **Feb-2022 to Aug 2024**

Wilmington University, New Castle, DE, USA

Coursework: Project and Change Management, Cloud Management, Web Data & Security, Database Management, Operating Systems

**Bachelor of Engineering in Computer Engineering** **Aug-2016 to Sep-2020**

Gujarat Technological University, Ahmedabad, India

Coursework: Software Engineering, Computer Networks, Artificial Intelligence, Web Technology, Big Data Analytics

**TECHNICAL SKILLS**

* Programming: Java, C, Python, Shell/Bash Scripting
* Frameworks: Spring boot
* Testing Framework: JUnit
* Cloud-Orchestration: Virtual Machines
* Databases: Relational (Oracle SQL, PostgreSQL, MySQL)
* Tools/Platforms: Agile, Git, Linux, JIRA, Maven, Postman, Karate, IntelliJ, Docker, Amazon AWS

**WORK EXPERIENCE**

**Survey Interviewer and Supervisor, Center for Applied Demography & Survey Research, DE Sep-2022 to Oct-2023**

* I was in charge of the public survey program for the State of Delaware Department of Transportation, which included questions about development and transportation in general.
* One of the main responsibilities was to operate VOXCO CATI application Software for the survey. Also, I had to monitor employees’ activities through Crosstec tool during their shift.
* Convinced numerous people to take the survey and interviewed them to collect the information’s based on their response.
* Analyze the collected data and follow the data pattern for DelDot which is used for development purposes.
* Managing Timesheets for employees, Maintaining Daily Supervisor Checklist, Tracking Clock in & Out timings.
* Providing quick and permanent solutions to employees if any situation arises.

**PROFESSIONAL CERTIFICATION**

**RedHat System Administrator**

* Earned RedHat System Administrator certification, demonstrating proficiency in core system administration tasks on Red Hat Enterprise Linux, including user management, security, and basic shell scripting.

**AWS Certified Cloud Practitioner**

* Achieved AWS Certified Cloud Practitioner, demonstrating foundational understanding of AWS cloud concepts, core services, security, compliance, and billing.

**ACADEMIC PROJECTS**

**Salon Management System| Oracle database, SQL Query April 2023**

* Designed a database for a Salon Management System, and my part was to create all the objects, and build triggers & sequences for those tables.
* Created controllers for the tables in the system and pushed them into GitHub.

**Client-Server Communication | TCP & UDP, C Language Nov 2022**

* Implemented a client-server model that communicates via UDP and TCP to perform certain tasks like sending messages and getting responses from server.
* Established connections with other students’ server and clients.

**Study On Resource Management | CNN, Inception V3, Intel-python April 2022**

* Developed and implemented the proposed CNN model for “Tomato Leaf Disease Detection.”
* Figured out the accuracy of each model with resource allocation and depicted it in terms of CPU Utilization and memory management.

 **Product Hub | Django, Python July 2020**

* Constructed both front end and back end of an E-commerce website by resorting to HTML 5, CSS, and JavaScript.
* Adopted Django and Python as the coding language and framework.
* Exerted model for the project was the Prototyping Model.
* Employed SQLite3 as database connection on the back-end side.

**AWARD**

**ICCR SCHOLARSHIP August-2016**

* A prestigious scholarship scheme provided by the Government of India every year to around 1000 students from 74 countries.

**LEADERSHIP & VOLUNTEER SKILLS**

**BANGLADESH STUDENT ASSOCIATION, University of Delaware |** Sports & Recreational Secretary **Sept 2022-2023**

* Supervised and monitored various events like Bangladeshi Night, Summer Tournaments, Potlucks, National Day Celebration and many more events.

**MALHAR |** College Music Festival **May 2019**

* Participated and collaborated with 4 musical groups.

**YUUGANTAR |** National Youth Conference **Jan 2018**

* Explained about innovations, the environment and culture, heritage, and civilization where I was chosen to deliver a speech from our college.