Mohammed Chowdhury

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Education

Drexel University   June 2027
- **Bachelor of Science in Computer Science 3.55/4.00**   Philadelphia, PA
- **Scholarships:** National Honors Society, Founder's Scholarship, A.J. Drexel Scholarship, Dean's List

Experience

Johnson & Johnson Technology
Data Engineer (COOP)   Sep 2024 – Mar 2025

- Developed and deployed a Node.js backend solution to monitor website availability, retrieving URLs from a database and logging real-time uptime/downtime metrics.

- Implemented automated unit tests and integrated SonarQube to maintain robust code quality and coverage.

- Built and launched interactive dashboards using Tableau, deploying them to Tableau Server for organization-wide visibility.

- Created charts and dashboard views with React.js libraries, embedding them in web applications for enhanced user experiences.

- Enhanced the front-end of JJTData, a data asset portal for J&J Data Technology improving performance and user interface responsiveness.

- Leveraged Tableau Pulse (an AI-driven feature in Tableau Cloud) to integrate data sources and define metrics, providing stakeholders with personalized, contextual insights.

Drexel IT
IT Support Specialist   Sep 2023 –Jul 2024

- Supported a user base of 25,000 with multifactor authentication (MFA) resets, account recovery, and software access issues. Leveraged Remedy Force for efficient incident tracking and resolution and resolved 500+ tickets.

- Provided comprehensive technical support for end users in system configuration across multiple platforms (MacOS, Windows, Linux), software deployment (SPSS, VMware), and network connectivity (router configurations, IP addressing, subnetting).

- Utilized terminal commands and scripting (Bash, PowerShell) to automate routine tasks, enhancing operational efficiency and reducing manual workload by approximately 25% - 30 %.

Projects

EpIUnity26
Coursework Project   Jan 2023 – June 2023

- Directed a 4-member Agile team to design and build a responsive English Premier League soccer website using React.js, Angular.js, HTML5, CSS3 & JavaScript, integrating RESTful and GraphQL APIs for real-time data updates.

- Improved page-load speed by 25% via AJAX-driven asynchronous calls and strategic caching; enforced code quality and deployment consistency through GitLab CI/CD pipelines and peer code reviews.

Internship Project (University of Pennsylvania)   Jan 2021 – Mar 2021

- Developed a mobile robotics prototype on Arduino/Raspberry Pi, implementing Python-based thermal image processing and signal-processing algorithms; visualized live sensor data dashboards in Tableau.

- Collaborated with engineering and design teams to iterate 10 CAD robot layouts under Agile sprints, managing source control with Git and ensuring on-time hardware-software integration.

Programming Languages: Python, C++, C, HTML5, CSS3, JavaScript, Java, GraphQL, SQL, SQLite
Developer Tools: Bootstrap 5, Flask, Bash, AJAX, GitLab, React.js, Angular.js, SonarQube, Linux, Jira, Git, VS Code, IntelliJ, Power Automate, Bomgar, Pandas, Jenkins, Matplotlib, NumPy, tmux, nano, Docker, Git, Gitlab, PyTorch, RESTful APIs
Software: Remedy Force, Qualtrics, Power BI, Tableau, Tableau Cloud, Tableau Pulse, Slack, SPSS, CAD, SCCM, MDT