Ujjawal Gupta

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Summary

Passionate professional seeking engineering management or data analytics intern role to leverage technical expertise and project management skills. Dedicated 3.5 years in industry to drive impactful solutions and foster organizational growth.

EDUCATION

Master of Science in Engineering Management   Expected May 2025
University of Massachusetts Amherst, MA | Isenberg School of Management   **GPA: 3.8**

Bachelor of Technology in Computer Science Engineering   July 2020
University of Petroleum and Energy Studies, India   **GPA: 3.3**

RELEVANT COURSES

Technical Project Management, Project Budgeting and Finance, Product Management, Human Factors in Design, Descriptive Analytics, Predictive Analytics and Stats, Business Intelligence and Analytics

EXPERIENCE

Software Engineer - Big Data, Tavant Technologies   Dec 2020 – Aug 2023

- Led the development and optimization of Pulse (a data observability product of Acceldata Tech.) using Akka Framework, Scala, Go-lang, Ansible, and many in-house automation tools, achieving 2x annual product revenue growth.
- Pioneered the integration of Telegram Bot APIs in Pulse, facilitating CRUD operations and onboarding 20% more clients.
- Collaborated with Solutions Architects and QA team on Experian's ETL-Modernization GG-Streaming project, to transition traditional mainframe-based application to a cloud-based Big Data solution, providing financial analytics for new global products.
- Engineered Linux scripts to draw comprehensive comparison of results provided by traditional system and newly developed modernized AWS-based ETL pipelines to achieve over 95% accuracy in results by my solution.
- Delivered in-time releases to the customer by practicing Agile methodologies for consistent issue resolution, customer story delivery, and code optimization, saving approximately $500,000+ in resource hours compared to previous year's spendings.

Associate Consulting Engineer, MongoDB Inc.   May 2020 - Oct 2020

- Partnered with 15+ companies to design their database schemas and architect their migration to MongoDB.
- Revamped database performance by 50% through strategic bottleneck detection and pattern optimization, enhancing client experience and streamlining data processing operations.
- Presented POCs to consumer groups for all the products under MongoDB's umbrella including Atlas, Compass, Shell, and Realm.

Associate Software Engineer, Balance Hero - India (South Korean Startup)   Jan 2020 - Apr 2020

- Contributed to design and engineering of simpler Loan lending services to make it accessible by people who are not qualified to get conventional loans by large financial institutes.
- Conducted research to implement a scalable API-based dashboard that renovated data identification, indexing, extraction, and analysis, reducing the business team's turnaround time from over a week to a maximum of 2 days.
- Wrote optimized SQL queries to make auditing of 2-5 million records easier through reconciliation reports to recover defaults on loans.

LEADERSHIP AND ASSOCIATIONS

Influencer, Google Crowdsource   Nov 2020

- Given title of 'Influencer' by the Google Crowdsource community for empowering our open-source contributors to enhance Google products such as Translate, Maps, Photos, and Assistant, promoting Diversity in AI and improving accessibility for a global audience.

Co-Chairperson, Heartfulness Science & Spirituality Club, UPES   Aug 2019 - July 2020

- Restructured the core management teams to follow a matrix hierarchy to cultivate an environment that supported members by having improved work breakdown and individual ownership of tasks.
- Organized open web-streaming sessions addressing critical topics such as mental health, stress management, grief counselling, and career guidance during the challenges of Covid.

SKILLS - *Psychometric Report*

- **Software Tools:** Jira, Slack, Confluence, Tableau, ERDPlus+, Google Analytics, MS Office
- **Technologies:** Scala, R, Java, Ansible, Linux Scripting, Akka Framework, Amazon Web Services, Hadoop
- **Database Systems:** MongoDB, MySQL, VictoriaDB, InfluxDB

CERTIFICATIONS

MongoDB Certified Developer, MongoDB Certified DBA, Certified Python Developer - Infosys Integrated Project Development, Certified Data Engineer