Akshat Kumar

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Aspiring backend software engineer with a strong foundation in Python, C++, and JavaScript, passionate about developing scalable, reliable, and high-performance payment systems. Eager to apply my skills in API integration, functional programming, and system architecture to solve complex real-world challenges at Juspay.

EDUCATION

- **National Institute of Technology Delhi**   New Delhi, India
  Master of Technology - Computer Science Engineering (Analytics); GPA: 8.8   *August 2024 - June 2026*

  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

- **Guru Gobind Singh Indraprastha University**   New Delhi, India
  Bachelor of Technology - Computer Science Engineering; GPA: 8.05   *August 2017 - June 2021*

  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases*

SKILLS SUMMARY

- **Languages:**   Python, PHP, C++, JavaScript, SQL
- **Frameworks:**   Codeigniter, NodeJS, LAMP
- **Tools:**   Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite, Bash, Shell
- **Platforms:**   Linux, Unix, Web, Windows, Arduino, GCP, Hadoop, Spark
- **Concepts:**   Object-Oriented Design (OOPs), Computer Networking, Distributed Systems, Web Technologies, RESTful APIs, handling complex business logic
- **Soft Skills:**   Leadership, Event Management, Writing, Public Speaking, Thriving under pressure, framework development, Business enablement, Zero issues management

EXPERIENCE

- **Accenture Pvt. Ltd.**   In-office work
  Data Engineering, Management & Governance Analyst (Full-time)   *October 2021 - November 2024*

  - **Collaboration & Problem-Solving**: Collaborated with cross-functional teams in agile environments to design, implement, and test software solutions, ensuring production-quality code with automated unit and integration tests.
  - **Data Governance & Attention to Detail**: Ensured robust data quality and governance compliance within Hadoop-based systems, optimizing data integrity for enterprise applications.
  - **Innovation & Technical Excellence**: Consistently delivered high-performance solutions, exceeding expectations and contributing to team success through innovation and technical expertise.

- **NexGen Innovators**   Remote
  Web Developer (Part-time, Contractual)   *July 2021 - September 2021*

  - **Collaboration & System Design**: Co-created a Laravel-based CMS, simplifying content creation and management processes.
  - **Code Efficiency & Maintainability**: Developed efficient, maintainable Laravel code to enhance CMS functionality and dynamic content delivery.
  - **Web Development**: Developed and maintained backend components, including API endpoints and business logic modules, ensuring robust performance and reliability in a high-scale production environment.

- **IEEE GBPEC Society**   New Delhi, India
  Chairperson   *August 2020 - August 2021*

  - **Leadership & Management**: Led the IEEE student society, organizing technical events, workshops, and mentorship programs to foster innovation and collaboration.
  - **Community Engagement**: Spearheaded initiatives to enhance student participation in IEEE activities, increasing membership and outreach.

- **TEDxGBPEC**   New Delhi, India
  Co-Organizer   *September 2019 - August 2021*

  - **Event Planning & Coordination**: Managed logistics, speaker curation, navigating uncertainty and execution of TEDxGBPEC, ensuring a seamless experience for attendees.
  - **Team Collaboration**: Worked closely with a multidisciplinary team to promote thought leadership, driving successful outcomes in fast-paced settings and knowledge-sharing through TEDx talks.

Projects

- **NexFinCo - Credit Management Platform (Big Data, Polyglot Persistence, Credit Scoring)**: Developed a non-regularized credit management platform to streamline crediting processes and enhance credit scoring. Developed a Python-based prototype simulating payment processing, incorporating API integrations and functional design patterns to handle transactional workflows. Designed a polyglot data model for handling diverse datasets efficiently. Leveraged big data technologies to process and analyze vast amounts of credit-related information, facilitating acquaintance crediting and robust risk management. (November '24)

Publications

- **Research Paper: "Multi-Lingual Code-Mixed Machine Translation System"**: Published at the International Conference on Computational Intelligence and Computing Applications (2021)

Honors and Awards

- Professional Cloud Architect Certification - Google Cloud (July, 2024)

- Professional Machine Learning Engineer Certification - Google Cloud (September, 2024)

- AWS Certified Cloud Practitioner - AWS (November, 2022)

- Associate Cloud Engineer - Google Cloud (August, 2022)

- Cloud Digital Leader - Google Cloud (March, 2022)

- LFC131: Green Software for Practitioners - The Linux Foundation (March, 2023)

- Microsoft Certified: Azure Fundamentals - Microsoft (February, 2023)

- Graduate Aptitude Test in Engineering (GATE) Qualified 2025 (Gate Score: 560), 2024 (Gate Score 515)

- TCS NQT 2021 Qualifier

- Succeeded in AmCat and Qualified Cocubes

- Campus Winner - SMC Mechatronics Cup (2019)

- HackwithInfy 2020 National Qualifier

Volunteer Experience

- **IEEE Delhi Section Conference (DSC) 2019**: Led and organized technical workshops and innovation-driven events, enhancing collaboration within IEEE DSC initiatives.
- **Indian Road Safety Campaign (IRSC) Volunteer**: Engaged in a week-long road safety awareness campaign, coordinating community outreach programs to promote traffic safety.
- **Inter-College Event Volunteer**: Contributed to multiple inter-college events, including Inceptum 2K18, Let's Tech Talk, and Mock Placement, assisting in event planning and execution.

Training & Certifications

- **Android Training**: CETPA, Noida   Completed hands-on training on Android development, covering mobile app architecture, UI design, and API integration.

- **Core Java Training**: Ducat, Noida   Gained in-depth knowledge of Java fundamentals, object-oriented programming, and data structures for robust software development.

- **Web Development Course**: Internshala   Learned full-stack web development, including front-end frameworks, backend integration, and database management.

- **Ethical Hacking Workshop**: DTU Workshop Program   Explored cybersecurity concepts, penetration testing, and vulnerability assessment techniques to enhance security awareness.

Languages Known

- **English**
  Proficient in reading, writing, and speaking.

- **Hindi**
  Fluent in reading, writing, and speaking.