

Anushka Mahajan

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EDUCATION

- **Indian Institute of Science, Bangalore** Bangalore, India
M.Tech (Res), Computational and Data Sciences Aug 2026 - Present
- **Thakur College of Engineering & Technology** Mumbai, India
B.E, Computer Engineering Nov 2022 - May 2026
Cumulative Performance Index(CPI): 9.81
- **Vanasthali Public School** Ghaziabad, Uttar Pradesh, India
Senior School Certificate Examination (12th) April 2021 - March 2022
Percentage: 96.4%
- **Vanasthali Public School** Ghaziabad, Uttar Pradesh, India
Secondary School Examination (10th) July 2015 - May 2017
Percentage: 96%

ACHIEVEMENTS AND QUALIFICATION

- Secured **AIR 632** (99.70 percentile) in **GATE (CS)** 2026.
- **Top 2% Open Source Contributor**, GirlScript Summer of Code Extended 2024

RESEARCH AREA

Machine Learning, Cryptography, Artificial Intelligence

PUBLICATIONS

- **A. Mahajan** et al., "Understanding India's Financial Literacy Crisis: A Systematic Review and Proposal of FinEdu as a Web-Based Solution," International Journal of Science and Research Archive, vol. 17, no. 3, pp. 1298–1306, 2025. doi: 10.30574/ijrsra.2025.17.3.3192

PROJECTS

- **Optimizing Elliptic Curve Cryptography Parameters using Genetic Algorithm** TCET, India
Tech Stack - Python June 2025 - May 2026
Designing an adaptive Elliptic Curve Cryptography system that generates and evaluates custom curve parameters without reliance on standard curves.
- **Automated Invoice Generator** Nov 2024 - Apr 2025
Tech Stack - Python, Openpyxl, ReportLab, SMTP, RPA
Built an **end-to-end invoice automation system** with tax calculation, PDF generation, SMTP email delivery, Excel record management, and RPA-based automation, reducing invoice processing to a single trigger.

TECHNICAL SKILLS

- **Programming Languages** : Python, C, C++
- **Knowledge** : Machine Learning, Agentic AI, Robotic Process Automation, Blockchain, Web Scraping
- **Databases** : PostgreSQL, MySQL, OracleSQL
- **Software** : Git, Azure, Jupyter Notebook, Postman, Selenium, Botpress, Agent.ai

EXTRA CURRICULAR ACTIVITIES

- Served as the Publication Head of the Computer Society of India (CSI).
- Served as the Chief Editor of department magazine.
- Held the position of Class Representative for the Computer Engineering Department.