

Gaurav Agarwal

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EDUCATION

Degree	Institute/Board	Performance	Year
B. Tech.	Indian Institute of Technology, Guwahati	8.00	2018-2022
Senior Secondary	CBSE Board	92.0%	2018
Secondary	CBSE Board	9.80	2016

WORK EXPERIENCE

- **Software Engineer, Microsoft Discovery** *July'24 - Present*
 - Working on development of the Microsoft Discovery platform designed to **accelerate scientific research** by integrating AI tools to enhance discovery processes for researchers.
 - Developing a **knowledge base** service of the platform which is responsible for building a **graph index** on the customer data to ground the language model
 - Working on the development and deployment of a scalable Azure service from ground zero. Gained hands-on experience in **cloud-based architectures**, **containerization**, and **AI agents development** for real-world applications.
- **Software Engineer, Azure Operator Insights, Microsoft** *July'22 - June'24*
 - Developed and maintained the online services component of Azure Operator Insights, a unified analytics platform for telecom operators, using an internal Azure service framework.
 - Contributed in the service lifecycle from private preview to general availability, ensuring production readiness, scalability, and integration with Azure's ecosystem.
- **Software Engineer Intern, Microsoft India** *May'21 - July'21*
 - Designed and implemented a documentation generator that parses the comments from the code base and generate a dynamic documentation page using **Python** and **Jinja2 templating engine**

PROJECTS

- **No Server - A cloud computing paradigm** *September'22*
A computing paradigm that can offload compute tasks to client-side
 - No Server is an alternate computing paradigm that lets web developers offload light server workloads to the client side using containers. Thus, saving on the server costs and maintaining customer data privacy
 - Built a prototype that lets users extract the audio from a video file without the file leaving their systems, with all the compute happening on the client machine.

TECHNICAL SKILLS

- **Programming Languages:** C#, Python, JavaScript
- **Technologies:** Docker, Git, Cloud Services, REST APIs
- **Other relevant skills:** Azure, Applied AI Engineering, GenAI Application Development

POSITIONS OF RESPONSIBILITY

- **Institute Secretary**, Consulting & Analytics Club, IIT Guwahati *July'20 - April'21*
 - Lead a team of **8 pre-final year** and **100+ sophomores** interested in Data Science & Management Consulting
 - Conducted the first edition of National Level Data Science hackathon, Cascade Cup - The Ultimate Data Science Challenge in collaboration with Trell
 - Responsible for conducting various **workshops**, **courses** and **hackathons** at national & international level

ACHIEVEMENTS

- **ETHIndia 2022**, Second Runner Up, Mina Protocol Prize Pool *2022*
- **Microsoft Engage 2020**, **Winner** among **600+** selected students across the country. *2020*
- **Creative Shock, International case competition**, 27th among 1800+ participants from 101 countries *2019*
- **Strategy Storm, International case competition**, 2nd among 1250+ participants from 6+ countries *2020*

PERSONAL INTERESTS

- **Running** for fitness but mostly fun
- **Self-hosting** FOSS and maintaining a personal **homelab** for experimentation and learning
- **Birdwatching** and documenting observations on eBird