

# KARTIKEY TEWARI

Bengaluru, Karnataka, India

✉ [kartikeya30@gmail.com](mailto:kartikeya30@gmail.com) ☎ +91-9871607123 📱 [kartikey30](https://www.linkedin.com/in/kartikey30)  
🌐 [kartikeytewari](https://kartikeytewari.github.io) 📄 [kartikeytewari.github.io](https://kartikeytewari.github.io) 🏠 [Kartikey Tewari](#)

## EXPERIENCE

### Unlogged (100x.bot YC S22)

October 2023 – October 2024

Software Engineer

Bengaluru, India

- Built and owned the [Unlogged server](#) from scratch to generate code observability. It got launched at [SpringIO conference](#) 2024.
- Built server integration in [IntelliJ plugin](#). It was released on [Product Hunt](#) and became #4 top product of the day.
- Decreased run time of Java SDK through [selectively logging](#) methods using bytecode injection at compilation stage.
- Built [logging modes](#) in SDK, through which users could record specific method or call hierarchies for generating test candidates.
- Deployed the infrastructure using AWS EC2, S3, ECR, ECS, IAM roles and docker containers.
- Debugged and resolved key production issues in [SDK](#) and [plugin](#) that were extremely hard to recreate.

### Amazon

June 2022 – March 2023

Software Developer Engineer 1

Bengaluru, India

- Worked on Wireless Remote Locking platform and made the service compliant to DSAR and On-Demand Data Deletion policy.
- Worked on Amazon Detail Page widgets, and built experiments to measure and improve customer experience.
- Wrote a SQL abstraction layer using [Python](#) over [DynamoDB](#) that made ad-hoc batch operations faster by a factor of 12 times.

### Source.One

May 2021 – August 2021

Software Developer Intern

Pune, India

- Developed, a Data Analytic Website from scratch for determining real time bottle-necks in logistics.
- Created [Python](#) scripts that mined data from [S3 Glaciers](#), and generated insights from them. These insights were stored in [MongoDB](#).
- Designed REST APIs using [NodeJS](#), to provide data on analytics website. It helped reduce order fulfillment time by 17%.

### NIT Hamirpur

May 2020 – July 2020

Research Intern

Himachal Pradesh, India

- Designed a new tree based [Data Structure and the algorithms](#) to build and perform range-based queries on it.
- Implemented the proposed Data Structure and contemporary methods using [C++](#) to determine the experimental efficiency.
- Reduced Time complexity for operations by 900% while reducing space complexity by 25% for storing data.
- Authored a [research paper on the tree](#), that is published by IJIT, Springer Publications a SCOPUS Indexed Journal.

## EDUCATION

### National Institute of Technology, Hamirpur

2017 – 2022

Masters of Technology in Computer Science and Engineering

CGPA: 8.50

Bachelors of Technology in Computer Science and Engineering

CGPA: 8.15

Completed Bootcamps on Udemy in [MySQL](#), [MEN Stack](#), [Git](#) and [Github](#)

Been an active member of [GLUG](#) (GNU-Linux User's Group), and have conducted many workshops on Linux Tools.

### Delhi Public School, Vidyut Nagar

2015 – 2017

Class-12 CBSE Examinations

92.8%

Class-10 CBSE Examinations

CGPA: 10.00

## PROJECTS

### CodeWiki

2024 – 2025

- Built a app using [Python](#), [Flask](#) and [langchain](#) to generate code insights from a repository in GitHub using LLMs.
- It uses [tree-sitter](#) parsing library to infer the relationship between sub-modules, classes and methods.
- It then fed that data to [LLM](#) to understand semantic meaning of code, and display it hierarchically to user.

### Statistical Model for Text Summarisation [[Github](#)] [[Paper](#)]

2021 – 2022

- Made a statistical model using [Python](#) to generate multi-document text summaries, that also took into account contextual meaning.
- This improved ROUGE-L F1-score on standard datasets by 1.08% over state-of-art machine learning algorithms.
- Wrote a research paper on the same, that got presented in [CVMI conference](#) conducted by IIIT Allahabad.

## ACHIEVEMENTS

### Scholarships

- 2021: Cleared GATE Scholarship by securing top 2.3% marks nationally.
- 2017: Secured 100/100 marks in CBSE Class-12 Mathematics Examination, and got recognition by MOE, GOI.
- 2015: Selected in top 857 students among 14,00,000 candidates, for receiving the NTSE Scholarship from Government of India (GOI).

### Programming Contests

- Codechef: [handle: [kartikey30](#)] Maximum rating: 1927 (4-star) Ranked in top 2.4% of all users on the website.
- Codeforces: [handle: [kartikey30](#)] Maximum rating: 1601 (expert) Ranked in top 3.2% of all users on the website.

## TECHNICAL SKILLS

Languages: C, C++, Java, Python, SQL, Bash, and Javascript

Technologies/Frameworks: Linux, Docker, ASM, Git, AWS, MySQL, MongoDB, Redis, LLM, ollama, Langchain, Portkey and OpenAI