

KARTIKEY TEWARI

Bengaluru, Karnataka, India

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EXPERIENCE

Unlogged (Videobug YC S22)

2023 – Present

Software Engineer

Bengaluru, India

- Enhanced performance of [SDK](#) by 82% through selectively logging methods at runtime using bytecode injection.
- Individually developed 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.
- Resolved key production issues in [SDK](#) and [plugin](#), by closely working with customers and the engineering team.

Amazon

2022 – 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 makes ad-hoc batch operations faster by a factor of 12 times. It also supported parallelization and had in-built support for deployment on [EC2](#) instances and [AWS Batch](#) compute.

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](#)

Delhi Public School, Vidyut Nagar

2015 – 2017

Class-12 CBSE Examinations

92.8%

Class-10 CBSE Examinations

CGPA: 10.00

PROJECTS

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

- 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.

Yelpcamp [[Github](#)]

- Developed a website using [Javascript](#) where users can share there reviews of different campgrounds.
- Implemented functionalities such as user profiles and editing/deleting of comments.
- Used [NodeJS](#) and [ExpressJS](#) for developing the back-end, and [MongoDB](#) for database management.

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 as one of top 857 students among 14,00,000 candidates, for receiving the prestigious NTSE Scholarship provided by 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.
- Cleared Qualification round and advanced to Round-1 of Codejam 2021. Ranked [3996th](#) out of total 93,000 participants.

CO-CURRICULAR SKILLS

GLUG: Have been an active member of GLUG (GNU-Linux User's Group), and have conducted four workshops on Linux Tools.

TECHNICAL SKILLS

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

Technologies/Frameworks: Linux, Docker, ASM, Git, AWS IAM, EC2, S3, DynamoDB, MySQL, PostgreSQL, MongoDB and Redis