

Kunal Krishna

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About Me

Backend-heavy full-stack **Java** developer with experience in **Spring Boot** and **AWS**. Bachelor's in Information Technology from a top public university in India, with experience of working in service and product-based companies. Currently, pursuing MS in CS at UNC Chapel Hill (2024-26). Aiming to enhance skills and contribute to innovative software solutions that drive technological advancements and societal impact.

Education

Indian Institute of Information Technology, Allahabad www.iiita.ac.in [🔗](#) *July 2010 – June 2014*
B.Tech in Information Technology

- GPA: 8.19/10.0 ([e-Transcript](#) [🔗](#))
- **Coursework:** Data & File Structure, Design & Analysis of Algorithms, Computer Architecture, OS, Object Oriented Methodology, Software Engineering

The University of North Carolina at Chapel Hill *Aug 2024 – May 2026*
Master of Science in Computer Science (ongoing...)

- **Coursework:** Software Engrng Lab, DBMS, Models of Languages and Computation

Experience

SDE-1 *Bangalore, IND*
[Redyhire](#) [🔗](#) *Jan 2023 – Feb 2024*

- Key responsibilities: backend development, RESTful API design & implementation.
- Developed a sophisticated Question Uploader module that processes YAML-formatted input files, supporting both full database population and selective updates based on content changes.
- Implemented an efficient update mechanism using hash comparison to identify and upload only modified questions, optimizing database operations and reducing unnecessary data transfers.
- Developed and implemented Java-based AWS Lambda functions, seamlessly integrating them with API Gateway to create efficient serverless architectures for robust request handling.

Junior Associate, Technology *Gurugram, IND*
[Nagarro Softwares Pvt. Ltd.](#) [🔗](#) *Sept 2014 – Mar 2016*

- Added features in a Java based Casino Games for a client using Spring MVC, REST API, HTML/CSS/JS.
- Successfully contributed to the development of an online apparel retail store, particularly in the Responsive Design, using OOPS, Java, Hybris, Mysql, and jQuery.

Projects

RA-Faculty Matching [Read more about it](#) [🔗](#) *[github repo](#) [🔗](#)*

- The utility application is being created to ease the recurring painstaking administrative task of matching Research Applicants with Faculty of their interest.
- Tech Stack: Python, Firebase(Authentication, Firestore, Cloud Functions), Flutter
- Status: *Ongoing...*

Technologies

Languages/Frameworks: Java/Spring Boot, MySQL, Python (working knowledge)

OS: Ubuntu 22.04 LTS, Windows 11

Cloud Techs: AWS(API Gateway, S3, Lambda, DynamoDB)

DevOps: Maven, Git/GitHub