

# NAMAN KHATTAR

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## EXPERIENCE

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### Software Development Engineer

06/2024 - Present

Darwinbox

Hyderabad, IN

- Optimized long-running backend tasks to reduce execution time by **20%** by architecting an asynchronous cron-job system using AWS SQS, enhancing horizontal scalability and fault tolerance.
- Engineered an SBERT-driven recommendation engine for **5,000+** courses, utilizing multi-vector embeddings to align user skill gaps, career trajectories, and interests with personalized learning paths.
- Collaborated on a Neo4j-based Career Architecture system to map cross-role mobility, leveraging OpenAI embeddings to quantify skill overlaps and automate **80%** of manual admin evaluations, reducing assessment time from days to minutes.
- Designed end-to-end an event-driven notifications framework to automate **20+** unique task triggers and alerts, integrating with the core enterprise notification system via a scalable, decoupled architecture.
- Orchestrated a large-scale settings migration for **1000+** enterprise clients, introducing a flexible configuration schema to support bespoke requirements and scalable multi-language aliasing.
- Architected an LMS tracking framework to capture **20+** granular user behavioral events across development plans and learning paths & activities, enabling real-time progress mapping and data-driven insights for personalized learning journeys.
- Worked on Automation testing for **25+** different feature points ensuring bug free delivery of features to end user.
- Expanded automated test suites for a multi-language (TypeScript/PHP) module, achieving a **15%** gain in code coverage and decreasing production bug density through systematic regression testing.

### Software Development Engineer Intern

01/2024 - 05/2024

Darwinbox

Hyderabad, IN

- Devised a standardized, framework-agnostic Document Viewer web component with Vanilla JS and Stencil.js to replace expensive third-party libraries, cutting operational costs by **60%** and streamlining frontend development workflows.
- Developed an internal file sharing system (React, Node.js, Express, AWS S3) featuring group/individual sharing capabilities; onboarded **50+** users while maintaining **99%** uptime and sub-second file retrieval speeds.
- Optimized complex MongoDB queries across a **100000+** document dataset using compound indexes and explain plans, ensuring high availability and real-time application responsiveness.

## SKILLS

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<b>Languages</b>	JavaScript, TypeScript, Python, PHP, C/C++, Java, SQL, HTML/CSS
<b>Frameworks</b>	React, NodeJS, ExpressJS, Django, Flask, Yii, React Native, JQuery, Jest, PHPUnit
<b>Tools</b>	Git, MongoDB, MySQL, Docker, Postman, Jira, XDebug, SQS, EC2, S3, Kubernetes
<b>Platforms</b>	AWS, GitHub, GitLab, MongoDB Atlas, Linux

## EDUCATION

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**B.Tech CSE**, Jaypee University of Engineering and Technology

2020 - 2024

CGPA - 7.9

## PROJECTS

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### Access Restricted Group Vaults

[GitLab Link](#)

- Deployed a secure, full-stack file management system that leveraged Node.js and AWS S3 pre-signed URLs to guarantee safe, sub-second file retrieval for targeted group and individual sharing among **50+** users.

### URL shortener

[GitHub Link](#)

- Developed a URL shortening service utilizing Python, Django and PostgreSQL that shortened URL length by **60** characters improving aesthetics for sharing in social media and marketing campaigns.

### JUET University Website

[GitHub Link](#)

- Built a website using React, Express, JavaScript and MongoDB for the University with a custom CMS for managing and updating content with over **50+** custom actions.

## ACHIEVEMENTS

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- **Pupil on codeforces** - Reached Pupil (**1224**) rating on Codeforces platform
- **Runner Up at JUET Builds Hackathon (2022)** - Achieved **2<sup>nd</sup>** position among 50+ teams and 250 participants
- **Winner at JUET Codeathon (2021)** - Stood **1<sup>st</sup>** among 400 participants in Competitive Programming