

# JOY DEB

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## EDUCATION

**B.E in Computer Science and Engineering**

June 2019 - July 2023

Chandigarh University - **CGPA - 8.01** Graduated with first division)

Punjab, India

## WORK EXPERIENCE

**GeeksForGeeks** 🔗

Dec 2023 – Present

**SDE 1** | *NextJS, Django, MySql, Websockets, Amazon SES, MySQL*

Noida

- Developed report generation tool serving **5,000+ university users**, enabling **30% faster** access across **12 colleges** and **40+ sections**; implemented **15 custom components** improving user satisfaction by **25%**.
- Integrated Amazon SES within GeeksForGeeks team, reducing failed deliveries by **85%** and segmenting **100,000+ users**; increased email click rates by **32%**. Led Push notification implementation boosting user engagement by **45%** and team efficiency by **20%**.
- Refactored code for **course sales**, streamlining operations by **65% across web and app platforms**.
- Worked closely with the Machine Learning team to replace Elasticsearch with a custom in-course search solution, resulting in a **30%** improvement in search result relevance.
- Migrated CRM from **PHP to Django**, adding features like user action tracking and automated email notifications, improving sales team efficiency by **15%**.
- Simplified attendance marking for **500+ live classes** per week, reducing manual effort by **75%**.
- Made a proctoring image monitoring during contests, processing **10,000+ candidate snapshots** daily and increasing recruiter access speed by **40% for 200+ organizations**.
- Led a team of 2 interns reducing AWS costs by **35%** through DB optimizations and strategic indexing; cut response times from **300ms to 85ms across 25+ endpoints** and achieved **60%** faster queries.
- Interviewed **20+ entry-level engineering candidates** for hiring evaluations.

**Josh Technology Group** 🔗

Jan 2023 – Nov 2023

**Software Developer** | *Django, React, Postgres, TypeScript, Sentry, Angular, Redis*

Gurugram

- Delivered JWT authentication system for **5,000+ ZZU University users**, enhancing security by **40%** and reducing unauthorized access attempts by **75%** through custom middleware implementation.
- Integrated Mailchimp for bulk emails reaching **15,000+ subscribers** with **28%** higher open rates; Designed **8** dynamic templates.
- Automated processes with **12 cron jobs** reducing manual tasks by **65%**; created report generation system processing **300+** reports weekly with notifications.

## PROJECTS

**PokerPlanner** 🔗 | *Django, React, Docker, Celery, WebSocket.*

Feb 2023 - April 2023

- Collaborated on a full-stack project, ensuring a seamless user experience with React, TypeScript, and Django. Implemented secure email verification and real-time support for poker planning.
- Enhanced platform functionality by integrating Jira's library for pokerboards and groups. Created Celery and Redis for user invitations. Dockerized the application for resource flexibility.

**Codeorzo** 🔗 | *Node.js, Express.js, Template Engine, MongoDB*

May 2021

- Integrated passport-jwt strategy to ensure secure authentication and authorization. Leveraged the power of **Nodemailer** to enable email notifications on posts and comments, keeping users informed and engaged with the platform's latest activities..

## TECHNICAL SKILLS

**Languages:** C++, JavaScript/Typescript, Python, SQL

**Technologies/Frameworks:** ReactJS, Redux, Django, Git, Postgres, Linux, Docker, Rest API, NextJs, Websockets, MySQL, DynamoDB, MongoDB, Postgres

## ACHIEVEMENTS

- Achieved a remarkable milestone by successfully solving over **1000+ challenging questions** on Leetcode, GFG, and other competitive coding platforms. 🔗
- Secured an impressive **31st rank out of 6,800** participants in the CodeChef Starters Nov '21 contest. Also qualified for CodeChef SnackDown 2021. 🔗
- Earned an **"Exceeds Expectations"** performance rating at the end of the internship, which led to a Pre-Placement Offer.