

# Akshat Jain

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## EDUCATION

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- Indian Institute of Technology Patna Patna, India  
Bachelor of Technology in Computer Science and Engineering. **CPI: 8.44** July 2017 - May 2021 (Expected)

## EXPERIENCE

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- Grofers Gurugram, India  
Software Engineering Intern - Backend Role 06 May - 09 July, 2019
  - Implemented end to end flow of generating bulk promotional codes.
  - Made required APIs in **Flask** from scratch and stored the promo codes in a **Postgres** database.
  - Used **Celery** as the task queue to asynchronously process the request in background by Celery workers deployed on **AWS EC2 Instances**.
  - Created a job on **Jenkins** to provide easy access to Marketing Team.
  - The time reduced to **105 seconds from 8 hours** for generation of 1 lakh bulk promo codes.
  - Also worked on bifurcation of 2 different promotion types on Flask server to allow scalability of the feature across PAN India.
- Google Summer of Code (2018) Remote  
Student Developer at FOSSASIA 14 May - 06 Aug, 2018
  - Worked on SUSI.AI project, which is a rule based Open Source personal assistant.
  - SUSI.AI Web Client:** Made UI components using **ReactJS** following Material-UI Guidelines.
  - SUSI.AI Server:** Implemented various APIs on the SUSI.AI Server side extensively in **Java**. Also implemented a completely refined **User-Role Permissions Model** for various SUSI.AI Services. (Project Report Link)

## PROJECTS

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- Pharmacy Management System:** Developed a Pharmacy Management System for IIT Patna to manage the stocks of the pharmacy, sale of medicines and generate the receipts for the payments made. Used PHP and MySQL for backend purposes. Also configured the application to facilitate easy setup using Docker Compose. (Source Code Link)
- NJACK Winter of Code 2018 Website:** Front-end Development for NJACK Winter of Code 2018 website. Wrote maintainable, scalable, responsive and cross-browser code. (Source Code Link)

## PROGRAMMING SKILLS

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- Most experienced with:** C, C++, Python, JavaScript, ReactJS, Flask, PostgreSQL.
- Some experience with:** Java, Node.js, MongoDB, PHP.
- Familiar Tools:** Git, GitHub, Docker, Kubernetes, Jenkins, AWS.

## OTHER ACHIEVEMENTS/EXTRACURRICULAR ACTIVITIES

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- Solved over 600 problems** on various competitive programming websites like Codeforces, UVa, SPOJ and CodeChef with a **highest rating of 1633 on Codeforces** and **1954 on CodeChef**.
- Achieved **global ranks of 7 in January Challenge 2020, 33 in January Lunchtime 2020 and 44 in January Cook-Off 2020 on CodeChef**.
- Winner of Capture The Flag** event organised by Grofers competing against 80+ teams across all India.
- Recipient of Udacity's **PyTorch Challenge Scholarship from Facebook**.
- Google Summer of Code 2019 Mentor:** Mentored Google Summer of Code 2019 students for FOSSASIA.
- Google Code-in 2018 and 2019 Mentor:** Actively reviewed tasks and mentored students for FOSSASIA.
- Featured speaker at FOSSASIA Open Tech Summit 2019** held in Singapore on March 14 - 17, 2019. Gave a talk on the user role permissions model implemented in SUSI.AI. (Video Link)
- Overall Coordinator of NJACK**, the coding club of IIT Patna for the session **2019-20**.