Arghya **Bandyopadhyay**

LinkedIn, Github

3127, Sector 23, 2nd Floor • Gurugram, India • 122017 • **Mobile No.** 7224077631 • **EMAIL** arghyab13bga@gmail.com

SUMMARY

- *Worked with 4 companies and an organisation.*
- *Experience in 10+ development frameworks and contributions in 15+ github repositories.*
- *Has a keen interest in Algorithm design and Game Theory.*

EDUCATION

1. **2020-2022 | National Institute of Technology, Durgapur |** Master of Technology
2. **2016-2020 | Shri Shankaracharya Group of Institutions, Bhilai |** Bachelor of Technology
3. **2014-2016 | O.P. Jindal School, Raigarh |** Class 10+2 (91.6%)

SKILLS

Java, Spring Boot, Flutter, MySql, Node.js, AngularJs, Express.js, and Game Theory.

EXPERIENCE

1. **Jul 2022 – Current | NatWest Group |** Software Engineer
   Developed 4 microservices, delivered 200+ unit test cases, removed 20+ bugs, 10+ vulnerabilities and 600+ code smell.

2. **May 2020 – Jul 2022 | Self-Employed |** Freelance Full Stack Developer
   Delivered 5+ mobile applications, both in android and ios. Created 10+ microservices and numerous REST API.

3. **Sep 2020 – May 2022 | National Institute Of Technology, Durgapur |** Teaching Assistant
   Created a game theoretic model for kidney exchange program in India. And assisted Advanced Algorithm Design lab classes.

4. **Feb 2020 – Mar 2020 | Anvy Technologies |** Full Stack Developer (Internship)
   Delivered 2 billing softwares using JavaFx and 1 web app using Laravel Framework.

5. **Jul 2018 – Sep 2018 | Vedas Technocrats |** Java Developer (Internship)
   Developed 4 small scale JavaFx applications like Puzzles, Appointment manager and others.

RESEARCH

1. **March 2021 – May 2022 | Kidney Exchange problem**
   Technologies: *Latex, Java, Python, Game Theory*
   Modelled game theoretic kidney exchange program in India based on preferences over societal distributions.

PROJECTS

1. **Sept 2022 – Oct 2022 | Money and Monetary**
   Technologies: *Java, Spring boot, Angular.Js, Eureka, Api Gateway, Microservices, Mysql*
   A fund transfer system where users, when opted for, would automatically deduct a certain amount in each transaction to be added to a savings account.

2. **June 2021 – Current | Open source ERP[Bossex]**
   Technologies: *Javafx, Css, Mysql*
   An initiative to create an ERP which is open source.

3. **Jan 2021 – Dec 2021 | Fee management and Video lecture streaming application[Chronicle]**
   Technologies: *Flutter, Firebase*
   An application for Gym owners/trainers to track payment dates, dues and other payment related stuff.

4. **May 2020 – Nov 2021 | An Mobile Application Module for an ERP[InfinityX]**
   Technologies: *Flutter*
   An application for the business owners to get real time business updates, punching orders, invoice generation and many others.

5. **Mar 2020 – Nov 2020| Online Customer Order Punching Application[AYS]**
   Technologies: *Flutter*
   An application used to punch orders and eventually also allow the customers to punch the orders by themselves.

6. **Feb 2020 – Mar 2020 | Inventory Management Application**
   Technologies: *Laravel*
   A website developed for a gold warehouse in order to manage its inventory and to assign inventory goods to the workers, with different user accesses.

7. **Feb 2020 – Mar 2020 | Billing Software for a Tailoring Shop**
   Technologies: *Javafx*
   A normal billing and pseudo accounting software for a tailor shop.

8. **Sep 2019 – Apr 2020 | Student Attendance System Using Face Recognition**
   Technologies: *Python*
   Student's attendance system working on a face recognition system using opencv.

PUBLICATIONS
1. **Mar 2023 | Indian Kidney Exchange Program : A Game Theoretic Perspective**

CERTIFICATIONS
1. **Jun 2020 | Flutter & Dart - The Complete Guide [2020 Edition]** | **Udemy**
2. **May 2020 | Xamarin Forms: Build Native Cross-Platform App with C#** | **Udemy**
3. **Aug 2019 | Programming With Python[56BF2687-CBA2-1772-947F-4FA924F56F39]** | **Internshala**
4. **Jun 2018 | Core Java[07EE75B2-15C3-5DE8-A1D4-2E1B636111BA]** | **Internshala**
5. **Feb 2022 | Typing Certificate[51 wpm, 98.9% accuracy]** | **RataType**

ACHIEVEMENTS AND RESPONSIBILITIES
1. Smart India Hackathon 2019 Finalist Under MHRD(MOE)
2. Secured a rank of 5216 in Gate 2020