CONTACT

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in Ranjan_Sengupta

Ranjan_Sengupta

EDUCATION

(2022)
B.Tech. (Computer Science)
Sikkim Manipal Institute of Technology, Majitar

(2017)
Higher Secondary (Science, CBSE)
The Millennium School,
Lucknow

(2014)
Matriculation (ICSE)
City Montessori School,
Lucknow

CORE COMPETENCIES

- Software Development (Full Stack)
- Back-end Development
- Integration & Unit Testing
- Requirement Gathering
- Daily Status Reporting
- Application Maintenance & Documentation
- Root Cause Analysis
- Data Analytics
- Project Execution & Management

SOFT SKILLS

- Collaborator
- Communicator
- Innovator
- Planner
- Analytical
- Team Player

RANJAN SENGUPTA

ABOUT ME

A highly motivated and performance-driven professional with a strong foundation in **Full Stack Software/Product Development** using **Back-end** and **Cloud Technologies.**

PROFILE SUMMARY

- Certified **Fullstack Product Engineer (through the PGP certification from the StackRoute Program)** from **NIIT** (Sep 2022-Sept 2023).

- **B.Tech. (Computer Science)** qualified professional. Graduated from **Sikkim Manipal Institute of Technology, Majitar with a 7.0CGPA** and passed CBSE (XII) at around **60%** and ICSE (X) at around **75%.**

- Completed multiple projects using **React, Java, Python** and **Dart**. Skilled in **developing systems on MongoDB, Neo4J** and **PL/SQL** and then maintaining the database (including requirement analysis, design, data conversion, loading and implementation). Managed a range of banking applications using **Firebase** and **Flutter.**

- Driven by an unwavering commitment to excellence, continuously targeting innovative opportunities to enhance processes and drive organizational growth. Recognized as a **quick learner, excellent time manager**, **collaborative team playe**r, and **skilled negotiator**. Excellent knowledge in **analysis, documentation, coding** and **testing** to maintenance of proposed applications. Proficient in **application development, design principles, usage of technology** and **end-to-end solution designing**.

- Currently working for Indian Oil Corporation as a **Fullstack Software Developer**.

WORK EXPERIENCE

Indian Oil Corporation, (January 2024 - Present)
Designation: Fullstack Software Developer.

Key Result Areas:

- Proficient in programming across a range of languages including Java, JavaScript, TypeScript, Python, and PL/SQL.
- Applying knowledge of technologies and frameworks such as Spring Boot, Django, React, and Oracle SQL.
- Developed and maintained internal tools focusing on financial and logistical operations within the organization.
- Implemented scalable and maintainable application architectures, emphasizing the utilization of microservices architecture where applicable.
- Designed database schemas, managed migrations, and enhanced query performance to ensure data integrity and implemented robust backup strategies.
- Writing unit, integration, and end-to-end testing using frameworks such as JUnit and Spring Test.
- Collaborated closely with cross-functional teams, including designers, product managers, and fellow developers.
- Crafted detailed technical specifications and user guides for clear and accessible documentation.
- Prioritized user experience, iteratively improving applications based on user feedback for optimal usability.

Flutter Developer | Mitra Fintech, April 2022 – December 2022
Responsibilities:

- Managed the banking application to perform calculations, data retrieval, QR scanning and barcode scanning.
- Ensured the banking applications were connected with different payment gateways such as Razor Pay and UPI.
- Performed memory management to optimize applications along with designing UI.
- Designed & developed Application Programming Interface using Flutter.
- Worked on various apps, primary being the money loan application called **MitraPe**.

TECHNICAL SKILLS

- C++, Java, HTML
- C#, Python, Flutter
- Angular, Git, AWS Cloud API
- MongoDB, NodeJS, OpenGL, Computer Graphics
- NoSQL Database
- Neo4J Graph Database, RabbitMQ, MySQL, SQL Database

PERSONAL DETAILS

- **Date of Birth**: 28th July 1997
- **Languages**: English, Hindi and Bengali
- **Address**: AA 17/4, Souhitya Abasan, Deshbandhu Nagar, Kolkata - 700059, West Bengal

PROJECTS

Project Name:Ticket Hunt (https://github.com/RibhuNoodleBoodle/TicketHunt)
Platform: Angular, Spring
Technologies Used: MySQL, MongoDB, Microservices, RabbitMQ, Neo4J

- Designed and developed a ticket booking software that handles ticket booking, event management, seat management, and movie database using Angular, MySQL, MongoDB, Microservices, RabbitMQ, Neo4J, and other technologies.

Project Name: MitraPe Application (https://mitrafintech.com/**)**
Platform: Flutter, Android
Technologies Used: Flutter, Maven

- Settled a Flutter-based neobanking application for managing employee salaries and facilitating lending and borrowing of money.

Project Name: Vectorization of Text with Semantics
Technologies Used: Python, TensorFlow

- Developed a project to integrate semantic analysis of text, enabling the identification of semantic relationships between words in sentences and paragraphs.
- Implemented an automated system for finding meaningful texts without human interaction.

CERTIFICATION

Open-Source Software Development, Linux and Git| Coursera| June 2020
Highlights:

- Accomplished the "Open Source Software Development Methods" course with an impressive grade of 90.4% on May 13, 2020.
- Finalized the "Linux Tools for Developers" course with a remarkable grade of 87.5% by June 1, 2020.
- Achieved a grade of 87.7% in the "Using Git for Distributed Development" course by June 5, 2020.
- Skillful in various open-source software development methods.
- Showcased competence in utilizing Linux tools for development purposes.
- Highlighted effectiveness in employing Git for managing distributed development.
- Achievements in these courses have honed technical skills and laid a robust foundation for future endeavors in open-source software and Linux development.

TRAINING

PGP | Full Stack Product Engineering| NIIT | December 2022
Key Result Areas:

- Covered essential topics in front-end and back-end development technologies.
- Provided with a comprehensive understanding of programming languages and tools, including Angular, Spring Boot, and other databases such as MySQL and MongoDB.
- Worked on real-world projects, including developing "TicketHunt," a small-scale ticket booking platform.
- Gained practical experience in managing both the user interface and back-end operations, offering a holistic understanding of full-stack development.
- Skilled in problem-solving, code optimization, and worked with modern development tools and frameworks.
- Exposure to the end-to-end development process, from initial design to deployment, and ensured a robust understanding of all aspects of full-stack development.

EXTRA CURRICULAR ACTIVITIES

- Worked as a Journalist in college-organized Chatter.
- Participated as a Political Representative and Media Representative, in SMIT-MUN.