

# BINAY KUMAR GUPTA

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## Education

### Indian Institute of Information Technology Allahabad

Master of Technology in Information Technology

August 2022 - May 2024

GPA: 8.83/10

### Coochbehar Government Engineering College

Bachelor of Technology in Computer Science and Engineering

August 2016 - May 2020

GPA: 8.38/10

### St. Joseph and Mary's School

Higher Secondary

April 2014 - March 2015

Percentage: 84%

## Work Experience

### Protium Finance

July 2024 - Present

Software Engineer

Bangalore

- Collaborated with the team to build the Digital Business Loan System, processing over 1000 cases monthly and disbursing crores of loans.
- Identified and resolved security vulnerabilities, improving application performance and reducing average processing time by 40%.
- Designed and integrated a verification pipeline using KYC, VKYC, and third-party services (Digio, NSDL, OneLink), enhancing security and efficiency for customer service representatives.
- Gained proficiency in Camunda BPM (Business Process Management) and leveraged it to design, develop, and deploy 2 custom workflow solutions, optimizing business process automation within the organization.

**Tech-Stack:** Java, Spring Boot, JavaScript, React JS, SQL, MySQL, PostgreSQL

### Protium Finance

December 2023 - June 2024

Software Engineer Intern

Bangalore

- Led the identification and remediation of critical vulnerabilities during a Vulnerability Assessment and Penetration Testing (VAPT) project, resolving over 10 high-priority security issues with the internal security team.
- Designed, developed, and deployed robust RESTful APIs with over 90% test coverage through comprehensive JUnit test cases, ensuring seamless integration, improving application functionality, and enhancing code reliability by minimizing defects in production.
- Designed and implemented a PDF generation architecture using Spring, AWS and PHP, automating 86% of manual data entry.

**Tech-Stack:** Java, Spring Boot, JavaScript, React JS, SQL, PostgreSQL, Camunda Workflow

### Cognizant Technology Solutions

November 2020 - August 2022

Jr. Software Engineer

Kolkata

- Restructured backend code and updated legacy features, reducing latency by 33% and improving system scalability.
- Contributed to enhancing and modernizing the frontend of a legacy JSP-based application in production for over 10 years.
- Engineered a user interface to visualize patient's disease trends over the years for more than 10 diseases.

**Tech-Stack:** Java, Spring MVC, HTML, CSS, SQL, JSP

## Technical Skills

**Languages/Database:** Java, C, HTML, CSS, SQL, MySql, postgresSQL, Javascript

**Web Technologies:** Spring Boot, React JS, Hibernate, REST API, Microservices, Agile, jQuery, j2ee, JSON, AWS, Azure, Design Principles

**Software & Tools:** Git, JIRA, Confluence, SVN Repository, Eclipse, IntelliJ, Postman, Swagger, Lombok

## Certifications

**Certificate 1:** Microsoft Azure Fundamentals ( AZ – 900 )

**Certificate 2:** Microsoft Azure Data Fundamentals ( DP – 900 )

**Certificate 3:** Hackerrank Problem Solving Basic Certificate

**Certificate 4:** Hackerrank Problem Solving Intermediate Certificate

## Publications

- "Blockchain-Based Fellowship Management System with Zero-Knowledge Credential Verification", Presented in 13th IEEE International Conference on SMART-2024, TMU, Delhi Moradabad, UP, India-244001, 6th-7th December 2024.