Siratul I.

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EXPERIENCE

Hackules Inc. — Remote

Software Engineer, Junior — *Jun. 2024 – Present*
- Led the frontend development of Opedemy, an AI-focused education technology platform
- Spearheaded the frontend development of Hackules Institute of Advanced Research
- Handled the full-stack development of Teachers Today, a tuition matching platform
- Interviewed candidates for fellow engineering roles
- Technologies used: SvelteKit, Next.Js, Django, Express, Typescript

Software Engineer, Intern — *Feb. 2024 – Jun. 2024*
- Developed an AI marketing tool with interactive graphs, and integration with the Facebook Graph API
- Built a Mobile CRM app using Flutter for the Job matching company MyJobs which has 1000+ customers
- Technologies used: SvelteKit, Flutter, Facebook Graph API, LinkedIn API, Firebase, Typescript, Dart

Copernicus Astronomical Memorial of SUST — Sylhet, Bangladesh

IT Secretary — *Nov. 2024 – Present*
- Organized the in-person member recruitment event in 2024 as a member of the organizing committee
- Created the online recruitment form and user management system
- Technologies used: SvelteKit, Typescript, Google Sheets API, Wordpress

Assistant IT Secretary — *Apr. 2024 – Nov. 2024*
- Created tutorials on Python for beginners
- Technologies used: Wordpress

EDUCATION

Shahjalal University of Science and Technology — Sylhet, BD

Bachelor of Science(Hons.) in Physics — *Aug 2023 – Aug 2027*

OPEN SOURCE CONTRIBUTIONS

svelte-cloudinary | *Svelte, TypeScript, npm* — pull request
- Fixed CldVideoPlayer aspect ratio jump on load in the Cloudinary library for Svelte (PR 108/109, merged into release 1.3.2)

PROJECTS

Opedemy | *SvelteKit, TypeScript, Tailwind CSS* — live link
- Spearheaded frontend development using SvelteKit, building the platform from scratch with TypeScript
- Integrated with a backend with 200+ API endpoints including authentication and a payment gateway
- Implemented different rendering methods for 50% faster load times and good SEO performance

Teachers Toady | *Next.JS, TypeScript, ExperssJS, SMS Server, Email Server* — live link
- Revamped and completed a full-stack teacher recruitment platform (Next.js + Express.js)
- Developed advanced filtering and sorting (location, subject, salary) for seamless job matching
- Integrated MongoDB for CRUD operations, SMS and Email API for notifications and updates
- Implemented role-based dashboards with tailored workflows for posting jobs, applications, and scheduling

Hackules Institute for Advanced Research | *SvelteKit, TypeScript, Tailwind CSS* — live link
- Led SvelteKit-based frontend design and development for academic research platform
- Integrated with a backend with 100+ API endpoints including authentication and file uploads

Blood Donation and Locator | *SvelteKit, TypeScript, Gemini API, Google Maps API, Google OAuth* — live link
- Built a full-stack blood donation and volunteer coordination platform from scratch using SvelteKit and TypeScript
- Integrated Google Maps API to connect donors/volunteers with nearby requests and display real-time locations

- Leveraged Gemini API for an AI assistant for medical FAQs, first-aid guidance, and donor eligibility checks
- Designed a secure registration system featuring Google OAuth with user roles (donors, volunteers, seekers)

CAM Registration | *SvelteKit, TypeScript, Google Sheets API, Google Drive API*   live link
- Developed a full-stack website with SvelteKit and TypeScript after discussing requirements with the team
- Integrated Google Sheets API and Google Drive API to automate data storage and document management
- Enabled bulk registration capabilities, significantly improving efficiency for CAM-SUST

Social Media Website | *Angular, ASP.NET Core, SignalR, PostgreSQL, Docker*   live link
- Social media website with real-time chat, post creation, commenting, dark/light mode switching
- Implemented REST API, JWT, password encryption and used Docker for Scalability and ease of deployment

"My Jobs" Mobile App | *Flutter, Dart*   play store link
- Mobile CRM app for the Job search company MyJobs which has 1000+ customers.
- Supports CRUD operations with user creation, authentication, file handling, PDF & image uploading

TECHNICAL SKILLS

Languages: C#, Typescript, Kotlin, Python, SQL, Dart
Frameworks: SvelteKit, Next.js, Angular, .NET, Django, Jetpack Compose, Flutter
Developer Tools: Docker, Podman, Git, Linux, Bash, Powershell, GCP, CI/CD, Android Studio, Postman

ADDITIONAL EXPERIENCE AND AWARDS

University Physics Competition: Won the Bronze Medal in the University Physics Competition 2024
Harvard University: Awarded the Harvard CS50x certificate upon completion of the course.
HackerRank Certifications: Angular, C#, JavaScript (Basic & Intermediate), Java, and Python certifications
First Prize, Inter Cantonment IT Fest: Recognized with First Prize for a social media and e-commerce platform
Third Prize, Notre Dame Science Fest: Awarded the third prize, out of more than 200 participants