

ARNOB DEY

SOFTWARE DEVELOPER

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<https://sites.google.com/view/arnobdey?usp=sharing>

SUMMARY

Motivated Computer Science undergraduate (**CGPA 3.90, 6× Dean's List**) with strong foundations in software development, data structures, and problem-solving. Currently working as a **Jr. Software Engineer at E-Group**, where I developed a Task Manager application using **ASP.NET Web API** and **Next.js**. Experienced in building full-stack web applications and machine learning models, with projects spanning **Next.js/Tailwind frontends**, **Node.js/Nest.js backends**, **ASP.NET APIs**, and Python-based AI models (face recognition, lung segmentation). Skilled in Java, C#, .NET, Python, and modern web technologies, with a track record of delivering efficient, secure, and user-focused solutions. Recognized for academic excellence (60% scholarship) and active participation in tech competitions and IEEE events.

WORK EXPERIENCE

July, 2025 – Present

Junior Software Developer[Dot Net]

- Joined as an intern and get promoted as a junior software developer
 - Worked on a project named “Task Management Application” for their internal office use where admin can assign task to the employee and get the review and updates of that task using this application and take a look over any employee’s daily, monthly and yearly report on his/her completed task.
 - Working on company’s own website building project where I am working in the team to develop a fully functional and paperless working module to help the employee’s daily operations.
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EDUCATION

AMERICAN INTERNATIONAL UNIVERSITY BANGLADESH (AIUB)

2022 – 2025

Bachelor of Science : Computer Science and Engineering(CSE)

- **CGPA: 3.90**
 - **Six times Dean's List Award**
 - Relevant Coursework: Data Structures, Algorithms, Operating Systems, Database Management, Advanced Programming in .Net, Human-Computer Interaction, Advanced Web Technology
 - Academic Achievements: Received **60% academic scholarship**
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PROJECTS

- **Task Management Application(E-Group)** : Developed a full-stack task management system using **ASP.NET** and **Next.js**, featuring **one to one chatting, secure authentication, real-time task updates, real-time notification and responsive UI design**. Enhanced team productivity through streamlined workflows and cross-platform accessibility.

- **Recipes Sharing API** : Developed a **ASP.NET**-based Recipe Sharing **API** enabling users to seamlessly upload, search, and exchange recipes, with advanced search filters and user feedback integration for enhanced user engagement.
- **Cross puzzle game** : Developed a cross-platform **Python** puzzle game with varied difficulty levels and interactive features to enhance engagement and accessibility.
- **Inventory management system** : Implemented role-based inventory customization in **HTML**, **PHP**, and **JavaScript**, enabling secure, merchant-specific stock management.
- **Task Management App Backend** : Engineered a **Node.js** and **Nest.js** backend for a task management app, enabling secure cross-platform user authentication, real-time task updates, and optimized data processing for seamless performance.
- **Task Management App Frontend** : Designed a **Next.js** and **Tailwind CSS** frontend for a task management app, delivering intuitive user interfaces, mobile-responsive features, and streamlined task workflows to enhance user interaction and productivity.
- **Face Recognition Model** : Built a **Python**-based face recognition model using **VGG architecture** for accurate and efficient facial identification.
- **Lungs segmentation** : Developed an efficient **Python**-based lung segmentation model leveraging **U-Net** and **U-Net++ architectures** for precise medical image segmentation.
- **SiteLogo Frontend** : Developed a responsive frontend page for SiteLogo using **Next.js**, focusing on clean UI and performance.

SKILLS

- Node.Js
- ASP Dot Net API (Backend)
- Next.Js
- C sharp
- HTML
- PHP
- CSS
- Python

EXTRA CURRICULAR ACTICITIES

- Participator at DEXTERITY 2022, An intra AIUB case competition organized by the AIUB Business club
- Participator at SPAVe 7.0, Organized by IEEE AIUB student branch Participator at SPAC-24, Organized by IEEE NSU student branch

REFERENCES

Dr. Debajyoti Karmaker (Faculty) Assistant Professor, CS, AIUB (Dept. Head) Email : d.karmaker@aiub.edu	Sakib Abrar Tasnim (Faculty) Lecturer, English, AIUB Email : abrar@aiub.edu Phone : 01727226849	Promit Das Manager ICT, BURO Bangladesh Email : promitbubt@gmail.com Phone : 01747248114
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