PROTIK CHANDA

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EDUCATION

National Institute of Technology Durgapur, WB, India *July 2017 - June 2021*
Bachelor of Technology(B.Tech) in Biotechnology(Engineering), **Minor:** CS & Electrical Engineering
Result : First-Class, CGPA : Overall **6.74/10** (and **8.16/10** based on last 60 units of academic work average)
Relevant Courses: Introduction to Computing, Programming And Data Structure, Database Management Systems, Bioinformatics, Basic Electronics, Electrical Technology, Power Systems, Measurement and Instrumentation, Molecular Modeling and Drug Design, Molecular Biology and rDNA Technology, Microbiology and Bioprocess Technology, Math-I, Math-II, Math-III
Thesis : Lignin in Biomedical and Pharmaceutical Use, **Supervisor :** Professor Dr. Dalia Dasgupta Mandal

Dhaka Education Board, Bangladesh
Higher Secondary Certificate, Science, GPA: 5/5 *June 2014 - August 2016*
Secondary School Certificate, Science, GPA: 5/5 *January 2012 - May 2014*

PUBLICATION

Mandal, D.D., Singh, G., Majumdar, S., **Chanda, P.** Challenges in developing strategies for the valorization of lignin —a major pollutant of the paper mill industry. Environ Sci Pollut Res (2022).
DOI: https://doi.org/10.1007/s11356-022-24022-4

ONLINE COURSES AND CERTIFICATION

Online Certifications	Python Data Structures - by University of Michigan
	Introduction to Artificial Intelligence - by IBM
	Neural Networks and Deep Learning - by DeepLearning.AI
	AWS Fundamentals by Amazon Web Services
	Essentials of Entrepreneurship: Thinking & Action by UC, Irvine

TECHNICAL AND LABORATORY SKILLS

Programming Languages	Java, JavaScript, C, Python, Golang, SQL
Framework and Libraries	Reactjs, React-Native, Gatsbyjs, Spring Boot, Bootstrap, NodeJS, Selenium(Python Lib)
Software & Tools	Git, Linux & POSIX Tools, Jupyter Notebook, PyMol, LaTeX, MySQL, MongoDB
Dry Lab Techniques	Familiar with BLAST, Molecular Docking, BASH Scripting

EXPERIENCE AND EXTRACURRICULAR ACTIVITIES

Head of Creative and Web *October 2018 - July 2021*
at RECursion NIT Durgapur Coding Club, Durgapur, India

· Front-end developer for recursionnitd.in and graphics designer
· Coordinated in organizing regular coding classes, ICPC like coding contests and annual campus Techno-management fests Aarohaan and Avishkar.

Developer Intern *May 2019 - June 2019*
at Bangladesh Computer Council, Dhaka, Bangladesh

· Worked in a team of two intern developers under a project guide.
· Developed a project named 'Smart Leave Management System' using Mongodb-Express-Handlebars-Bootstrap as techstack, I mostly was resposible for the UI.

ACADEMIC AND PERSONAL PROJECTS

Application of Biopolymeric Nanocrystals as Drug Delivery Systems
7th Semester Academic Project

· Studied the latest development in the use of different nanocrystals as a novel Drug Delivery Systems derived from different biopolymers like chitosan, silk and collage etc.
· Reviewed some of the latest papers and reported to my undergraduate supervisor Professor Dr. Dalia Dasgupta Mandal.

GradMate - A visual flashcard app in react-native
Personal Programming Project

· Developed a image based graphical flashcard app having google authorization and user dashboard support with learning stats features.
· Used react-native, firebase, google cloud auth, react navigation, localstorage.

Selenium-Chromedriver-Automation: Binary Options Autotrader
Personal Programming Project

· Automated user events like login, navigation on page and follow given a pattern, change pattern dynamically on trading outcome. For fail-safe implemented phone call alarm on fail.
· Used google chromedriver, python, selenium python package, supervisord(for fail-safe and cloud) and twilio APIs for calling funtionality.

SimplyBlog - A spring boot reactjs fullstack blog
Personal Programming Project

· Implemented login, register, JWT, profile, blog, add connection and follow user functions.
· Used spring boot, spring data JPA, hibernate and MySQL for backend and reactjs for frontend.

SCHOLARSHIP, EXAM AND ACHIEVEMENTS

-**IELTS** Exam Overall **Band - 7.5**, Individual: S - 8, L- 8, R -7.5, W - 6.5	*November 2022*
-Received fully funded international **ICCR (Govt. of India) Scholarship** for four years of B.Tech at the National Institute of Technology Durgapur.	*June 2017*
-Runners-up in Dhaka Zone in Speech competition in Bangladesh Children Prize Award	*March 2012*

REFERENCES

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