SHASHWAT M. DAS | 18BT10019

BIOTECH. & BIOCHEMICAL ENGG. (B.Tech 4Y)

EDUCATION

Year	Degree/Exam	Institute	CGPA/Marks
2022	B.TECH	IIT Kharagpur	8.02 / 10
2018	Higher Secondary Certificate	DAV Public School, B.S.E.B	90%
2016	Secondary School Certificate	DAV Public School, B.S.E.B	10 / 10

INTERNSHIPS

Software Development Internship | Reason Solutions Pvt. Ltd.   June'20 - Present
- Developed a **cross-platform** app, for customer use integrating services like package tracking, philately, etc. using **React Native**.
- Developed another cross-platform Kiosk App to be used with Kiosks, for the comapny's staff use, using React Native Framework.
- Developed and integrated various APIs like payment, tracking, service renewal, cutomer support, etc using AWS.

PROJECTS

Social EGG (Mobile Application) | app.socialegg.in   June'20 - July'20
- Developed a news aggregator mobile application using **React Native, Google Cloud, Amazon Web Services, Azure.**
- The app is completely **serverless** ensuring unlimited scalability, making use of tools like GCP Cloud Functions, GCP Cloud Scheduler, GCP Firestore, Google Firebase, AWS Elasticache, Azure Cognitive Services, GCP Cloud SQL, AWS DynamoDB and NewsAPI.
- Integrated Expo Updates in the application, allowing seamless over-the air updates, without the need to go to the playstore.
- All the data transfer works through APIs, having a Memcached layer(using AWS Elasticache) to ensure upto **75%** less response time.
- Integrated Facebook and Google user login/registration using **Facebook Graph API** and **Google OAuth** in the application.

Social EGG (Progressive Web App) | socialegg.in   May'20
- Built a news subscription service, via mailing(OneSignal) service and in-App subscriptions, using **ReactJS** and **AWS.**
- Developed a Progressive Web App(PWA) , to have a **cross-platform** solution, ensuring usablilty in devices of any specifications.
- The web app is completely serverless, built completely on AWS, using services like Lambda, API Gateway and DynamoDB.
- User Login/Registration authentication is done using Amazon Cognito, AWS API Gateway and news are fetched using NewsAPI.
- Integrated **OneSignal Notifications** service, which automatically notifies the users whenever their subscribed news are delivered.

Personal Portfolio | (shashwatmdas.info)   August'20
- Built a personal portfolio website using **ReactJS** with my own continuous development and integration system**.**
- Built and deployed a **continuous integration and development** system using Github Webhooks, NodeJS and shell commands.
- Used **GCP's Compute Engine** to deploy my own **virtual machine** as a server for my website and GoDaddy for getting a domain.
- Used **Apache 2.0** to serve the static files of the website and OpenSSL to create a self-signed ssl certificate allowing HTTPS connections.

SKILLS AND EXPERTISE

- **Programming/Scripting Languages:** C | C++ | Python | Javascript | PHP | SQL • **Cloud Services:** Google Cloud | AWS | Firebase
- **Frameworks/Libraries:** Django | NodeJS | ReactJS | JQuery | React Native | Redux | Bootstrap | Express.js | C++ STL
- **DBMS/Softwares:** VS Code | MS Office | Android Studio | Expo | MySQL | PostgreSQL | MongoDB | Firestore | DynamoDB

POSITIONS OF RESPONSIBILITY

Senior Manager | Entrepreneurship Cell, IIT Kharagpur   April'20-Present
- Part of an 11 member execution team handling all operations of Entrepreneurship Cell and responsible for planning and execution of various events and competitions, while leading a team of **48 members** for the academic year of 2020-21.
- **Head** of Software Development team of Entrepreneurship Cell, IIT Kharagpur, directly supervising a team of 10 Developers.
- Developed a **Progressive Web App** for Empresario '21 website and **Django REST API** backend for E-Cell, IIT Kharagpur.
- **Led** the team for development of KGP Startup Community website, while solely developed the complete backend in **Django.**

Associate Manager | Entrepreneurship Cell, IIT Kharagpur   Nov'19-March'20
- Part of the team for organising EAD/LSM across **23 cities**, acting as the Technical Coordinator for the 28 events held across the country.
- **Revamped** the Internship Portal, Startin 10.0 completely, solely migrating the complete backend from **PHP** to **Django.**
- Part of the team responsible for development of EAD '19 website and registration portal, wesbsite of Global Entrepreneurship Summit '20.
- Managed a team of **7** developers, for the development of Global Entrepreneurship Summit '20 and Startin 10.0 websites.
- Trained and managed a team of 10 developers for the development of Startup Boot Camp and KAN websites.

Secretary Technology - MMM Hall of Residence   Sept'19 - May'20
- Representative of the hall in Technology and Application Cups at Inter Hall Technology General Championship.
- Managed **1500** boarders of hall, ensuring active participation in all the events for the first time from MMM Hall at the coveted Inter Hall Technology General Championship, while achieving all time highest ranking in Ad Design and Data Analytics events.

COURSEWORK INFORMATION

- **IIT Kharagpur:** Programming and Data Structures | Design and Analysis of Algorithms | Probability and Statistics | Basic Electronics | Partial Differential Equations | Linear Algebra and Numerical Analysis(in Mathematics 2) | Economics
- **Miscellaneous:** The Complete React Developer Course(Udemy) | The Complete Node.js Developer Course (Udemy) | The Complete React Native + Hooks Course(Udemy) | Complete Linux Training (Udemy) | Ultimate AWS Certified Developer Associate(Udemy)

EXTRA CURRICULAR ACTIVITIES

- Member of the Illumination 2019 team, achieving 4th rank in the institute, **joint highest** in the history of MMM Hall.
- Part of various social work campaigns as volunteer under the National Service Scheme and served in a 7 day social drive workshop .
- Part of Ad-Design Inter Hall General Championship Team achieving **4th rank** in the institute, highest in the history of MMM Hall.