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**ARYA SHEKHAR BANDOPADHYAY**

**❑ SOFTWARE DEVELOPMENT MAESTRO ❑ DATA ANALYST ❑ MACHINE LEARNING ENGINEER ❑ FULL STACK DEVELOPMENT EXPERT ❑ CROSS-FUNCTIONAL TEAM LEADER**

*Represented India in* ***Google Hackathon*** *finals | Directed the team on* ***patented project – LoadAB*** *| Engineered the entire admin side @ Ovonts to grow it as the* ***largest media management firm*** *in Kolkata | Received media appreciations for* ***constructing and launching surakshacovid19.tech****, a COVID19 dashboard | Worked in a consultancy* ***start up named Dataly*** *and serving as its* ***Head AI/Web Developer and CEO****.*





An **award-winning Software Development Expert** specialized in developing and building highly complex software applictions with hands-on expertise in **Machine Learning algorithms, Data Science, Business Analytics, and Full Stack engineering** to deliver best-in-class technical solutions and drive business growth initiatives. A highly competent team leader capable of functioning efficiently in a fast-paced, deadline-driven and dynamic work environment; demonstrates excellence in **developing stack architectures** and **delivering capabilities** across marketplace.

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| **EDUCATIONAL BACKGROUND**  **2017 - Present**  **SRM Institute of Science and Technology** ⯈ Bachelor of Technology (CSE)  **2017** **DAV Model School** ⯈ Class 12 (PCM) – CBSE Board | 90.4 %  **2015** **St Vincent’s High and Technical School** ⯈ Class 10 (PCMB) - ICSE Board | 90.4 %  **INTERNSHIPS EXPERIENCE**  **Head React Developer | May ‘20 – Present**  Dataly, Chennai   * Designs complex and diverse projects including full scale apps and websites and provisions Analytics and AI solutions to companies. * Participates in the execution of all development stages from concept, to deployment, to live website.   **Game Development Research Intern | Jun ‘20 – Aug ‘20**  RedFox Labs, Vietnam   * Performs scraping of relevant data regarding blockchain based games and helping them take data driven decisions. * Creates and maintains reliable, scalable, and high-performance systems and tools to enable best gameplay experiences.   **Full Stack Web Development and Data Analytics| Nov ‘19 – Jan ‘20**  Ovonts , Kolkata   * Delivers working and well-structured JavaScript code, including an API and modules like a UI framework, document object model, etc. * Manages individual / team project priorities, deadlines and deliverables in an agile work environment.   **Machine Learning Researcher | Jan ‘20 – Present**  SRM Research Labs, SRMIST, Chennai   * Designs and develops robust and efficient machine-learning and deep-learning algorithms. * Implements machine learning methods drawn from diverse areas such as neural networks, deep learning, NLP and approximate inference.   **Blockchain Researcher | Mar ‘20 – Present**  SRM Research Labs, SRMIST, Chennai   * Conducts extensive research on some of the critical issues in building high performance blockchain platforms. * Works closely with the team to research, develop and test blockchain applications to enable efficient distributed system management solution. | **WINNING PORTFOLIO**   * Highly **recognized and interviewed** by top news channels including Zee News for successfully constructing and launching **surakshacovid19.tech** * Secured top position in finals of **Google Hackathon** * Functioned as **beta-Microsoft Student Partner** * Currently leveraging technical expertise on a **patented project** * Received a **funded project from UP Police Dept** * Serving as a **Technical Lead** @ Microsoft Student Partners SRM and **Machine Learning Associate** @ Next Tech Lab   **AWARDS & RECOGNITIONS**   * [Best Paper Award](https://tinyurl.com/ICIot-268-ASB) ⮞ International Conference on IOT | Jan ‘20 * [Paper Presentation](https://tinyurl.com/IECICN-2020) ⮞ International Conference on Information, Communication & Networking | Jul ‘20 * **Finalist C19 Bioinformatics Hackathon** ⮞ IIT Madras Jul ‘20 * **Google Hackathon Finalist** ⮞ Google | May ‘20 * **Project and Assessment completion** ⮞ NVIDIA DLI | Oct ‘19 * **Advanced Proficiency in C++ and Data Structures** * **First Prize in Physics Techknow Exhibition** ⮞ SRMIST | Apr ‘18 * **C:\Users\GSR-Aditi\Downloads\iconfinder_78_Skills_Abilities_employee_human_man_people_4308152.pngProject Completion and Appreciation Certificate** ⮞ MyWbut | Jan ‘19   **CORE COMPETENCIES** |

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| **Data Science and Blockchain Developer Intern | Mar ‘20 – Jul ‘20**  RedFox Labs, Vietnam   * Led research in the advanced areas of artificial intelligence, data mining, machine learning, and deep learning. * Experimented with machine learning algorithms to solve critical business problems and identify risk, fraud or natural language processing.   **Full Stack Developer | May ‘20 – Aug ‘20**  Gaius Network   * Assembled production level solutions for the platform which served as a means to connect hyperlocal communities together; formed 10k active user base for the platform. * Built highly-reliable and scalable products in full-stack; leveraged full advantage of its features and flexibility.   **Data Science Intern | Jun ‘19 – July ‘19**  Kaashiv Infotech, Chennai   * Identified and collated datasets while creating and applying advanced data analytics models using statistical and machine learning techniques. * Assisted and directed the team in day-to-day jobs and projects.   **Machine Learning Trainee | Dec ‘18 – Jan ‘19**  MyWbut, Kolkata   * Utilized big data analytics tools and applied analytical techniques for data retrieval, preparation, and discovery. * Worked with massive datasets to develop both generic models as well as fine tune models.   **PROJECTS ADMINISTERED**   * Twitter Scraping and Analytics - Machine Learning | Jul ‘20 – Present * LoadAB (Marketplace for Raw Materials) - Web Development | Jun ‘20 – Present * Blockchain Based Fake News Filtering – Blockchain | Mar ‘20 – Present * Cyber Profiling and Prevention of Cyber Bullying | Jan ‘20 – Present * Suraksha Covid 19 - Webdev and Analytics | Apr ‘20 – Jun ‘20 * Basic Apps using Flutter – APP Dev | May ’20 – Present * Online File Explorer – Web Development | May ‘20 – Jun ‘20 * Web Interface for predicting Diabetes | May ‘20 – May ‘20 * StatsBureau - Web Development and Data Analytics | Mar ‘20 – Jun ‘20 * Waste, Pothole and Stray cattle Reporter - Full Stack | Jan ‘20 – Jan ‘20 * Video Caption generator – Deep Learning | Jan ‘20 – Feb ‘20 * Recommender System using Boltzmann Machines and Stacked AutoEncoders | Mar ’20 – Mar ‘20 * Data Analysis and Dashboard (Web Development) | Nov ‘19 – Jan ‘20 * Object Detection using YOLO - Deep learning | Oct ‘19 – Oct ‘19 * Object Classification via Transfer Learning - Deep learning | Sep ‘19 – Sep ‘19 * MNIST Digit Generator using GAN - Deep learning | Sep ‘19 – Oct ‘19 * Resume Parser using Spacy - Deep learning and NLP | Aug ‘19 – Aug ‘19 * EDA on Various Datasets - Data Analytics | Jan ‘19 – Sep ‘19 * Email Spam Classification - Machine Learning | Jan ‘19 – Jan ‘19 * Book Recommender System - Machine Learning | Dec ‘18 – Jan ‘19 * GAN in Keras and Pytorch * Chatbot on reddit data * Drowsiness Detection System * Garbage Detector and Classifier presented in SIH | **TECHNICAL SKILLS**   |  |  | | --- | --- | | Software | Pandas, Scikit-Learn, NumPy, OpenCV, Keras, Flutter | | Image & Natural Language Processing | Tensorflow, Pytorch | | Business Analytics Tools | Tableau, Power BI, Big Data Analytics | | Full Stack Web Development | MEAN Stack, MERN Stack, Flask, Optimizations, SSH | | Blockchain Based Network | SHA256, Consensus Protocols, Smart Contracts, Immutable Ledgers, BitCoin working and mining, ASIC Devices | | Cloud Software | AWS, Azure | | Language | C/C++, R, JavaScript, Python, PHP | | Framework | AngularJS, React.js | | Other: Recommender Systems, Text Processing, Text Mining, Microprocessors, Recurrent Neural Networks, Blockchain, Artificial Neural Networks, Machine Learning, Data Structures, Convolutional Neural Networks, Artificial Intelligence | |   **CERTIFICATIONS**   * Neural Networks and Deep learning ⮞ Coursera * Blockchain Fundamentals ⮞ Coursera * Data Science ⮞ 365 Data Science * Machine Learning by Andrew NG ⮞ Coursera * Deep Learning Specialization ⮞ Coursera * ReactJS **|** AngularJS **|** MongoDB **|** MySQL **|** Image Processing **|** Natural Language Processing **|** Databases **|** Nodejs **|** Blockchain   ***Training acquired:*** Machine Learning and Data Analytics with Python  **VOLUNTEERING**  **CSI Volunteer at AARUUSH** | Aug ‘17 – Jul ‘18  Role: Volunteered and spearheaded crisis management and crowd handling  Cause: Techno Management Fair  **PERSONAL DOSSIER**  **Date of Birth:** 7th April 1998  **Language Proficiency:** English, Hindi, German, Bengali  **Nationality:** Indian  **Address:** Uttaran, Purbasha, P.O. Kuti, Dist- Paschim Burdwan, Asansol, West Bengal – 713343 |

